THOMSON

DTH8040E
DTH8042E

User manual

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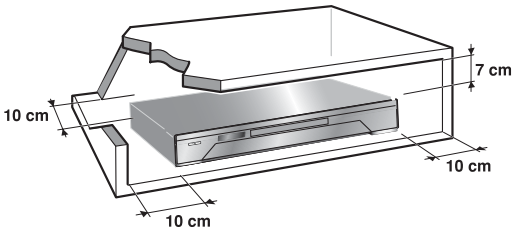
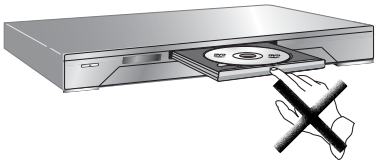
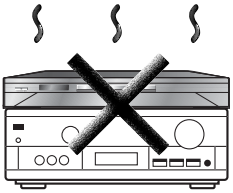
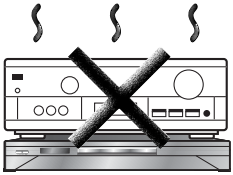


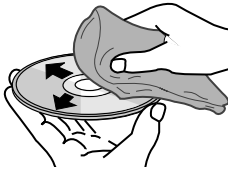


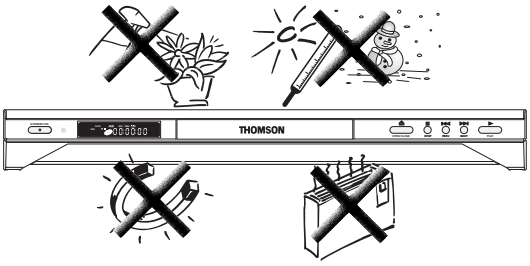
FR	ATTENTION	- RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.
EN	CAUTION	- LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DE	VORSICHT	- LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.
ES	PRECAUCIÓN	- RADIACIÓN LÁSER CUANDO ESTA ABIERTO. NO MIRAR FIJAMENTE AL RAYO DE LUZ.
IT	ATTENZIONE	- QUANDO E' APERTO EMETTE RADIAZIONI LASER. NON GUARDARE DENTRO IL FASCIO .
NL	WAARSCHUWING	- LASERSTRALING INDIEN GEOPEND. KIJK NIET IN DE STRAAL.
PT	PRECAUÇÃO	- RADIAÇÃO LASER QUANDO ABERTO. NÃO OLHAR FIXAMENTE O RAIO DE LUZ.
PL	UWAGA	- OTWARTE URZĄDZENIE WYDZIELA PROMIENIOWANIE LASEROWE. PATRZENIE GROZI UTRATĄ WZROKU.
HU	VIGYÁZAT	- NYITOTT ÁLLAPOTBAN LÉZER SUGÁRZÁS. NE NÉZZEN A SUGÁRBA.
CS	VAROVÁNÍ	- NEBEZPEČÍ LASEROVÉHO ZÁŘENÍ PŘI OTEVŘENÍ. NIKDY SE NEDÍVEJTE DO LASERU !
RU	ОСТОРОЖНО	- ЛАЕРНОЕ ИЗЛУЧЕНИЕ. НЕ СМОТРИТЕ НА ЛУЧ.

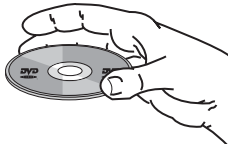
CLASS I
LASER PRODUCT











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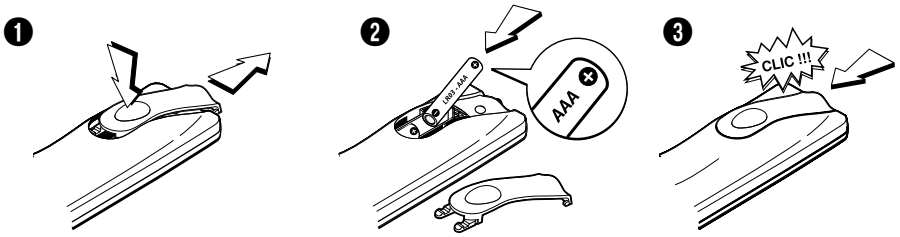
Connections and initial set up

Precautions and information before connecting

• Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your device. Install your device horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10 cm) • Ensure that the ventilation slots, and the device itself, are not covered by objects such as a mat, newspapers, curtain, etc. • Do not stack any other equipment on top of your DVD recorder. Do not place the device on top of an amplifier or any other equipment that gives off heat • The appliance should not be in contact with liquids or exposed to the risk of dripping or splashing. Therefore be careful not to place any object containing a liquid (vase, glass, bottle,...) on or near your appliance • The DVD recorder must not be near or exposed to a flame. For instance, do not place a candle on or near the device • Protect the DVD recorder from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Before moving the device, ensure the disc tray is empty. Switching off the DVD recorder to the stand-by mode does not disconnect the electricity supply. In order to separate the device completely from the mains, it has to be disconnected by unplugging the mains plug. When connecting, ensure that the plugs of the various cables are pushed securely into their corresponding sockets. Your DVD recorder is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sales or other business purpose is or may be a violation of copyright law.

Important notice: Please read the recommendations given on page 57.

Inserting the batteries



Important information regarding the batteries

- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. Remove the batteries from the remote control unit if you are not going to use it for several weeks. Immediately remove any leaking batteries. Take care in doing this, as leaking batteries may cause burns to the skin or other physical injury.

- Please respect the environment and prevailing regulations. Before you dispose of batteries ask your dealer whether they are subject to special recycling and if he accepts to take them back.

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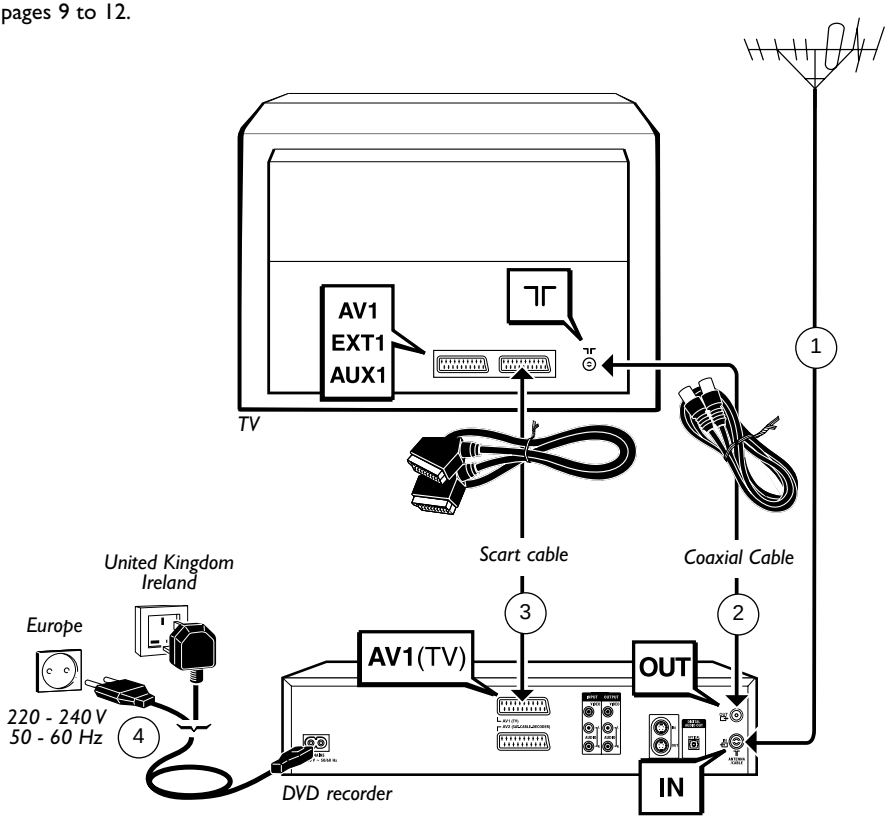
Basic connections

Your DVD recorder has many connection possibilities to allow it to fit into a setup comprising several devices. We recommend that you follow the connection setup on this page, and then carry out the adjustments shown on the following pages. You will first need to set up the channels as explained in the following pages before the final interconnection of the devices, described on pages 9 to 12.



1. Unplug the antenna cable from your TV set and plug it into the **ANTENNA-CABLE IN** socket of your DVD recorder.
2. Using the coaxial cable supplied, connect the **ANTENNA-CABLE OUT** socket of the DVD recorder to the antenna socket of your TV set.
3. Using a Peritel cable (Scart) [not supplied] connect connector **AV1** (**TV**) of the DVD player to the Peritel (Scart) connector on the television set (labelled **AV 1**, **EXT 1**, **AUX 1** depending on the brand).
4. Use the mains cable to connect your DVD recorder to a mains socket, by first connecting the cable to the back of the DVD recorder.

Note: connection to a satellite or cable receiver is detailled on page 9.

For UK, please see safety information regarding the mains plug at the end of this user manual, in the cover page.

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About your device

Your DVD recorder is a digital video player and recorder. Thanks to its tuner you can watch and record TV progammes on DVD+R and DVD+RW discs. It can play the majority of 8 cm and 12 cm discs, with the exception of DVD Rom, DVD Ram, and DVD audio.

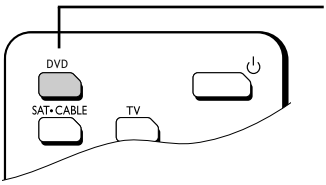
Placing the DVD recorder in service

Using the remote control unit correctly

When you use remote control, point the unit at the appliance you want to control (DVD recorder, TV set or satellite receiver). Ensure that there is no obstacle between the remote control unit and the appliance, otherwise the infrared signal carrying the remote control commands will be blocked. To control your DVD recorder, ensure that the remote control unit is in DVD mode by pressing once on the DVD key before using any other keys.

Switch on your DVD recorder and your TV set

1. Turn on your TV set.

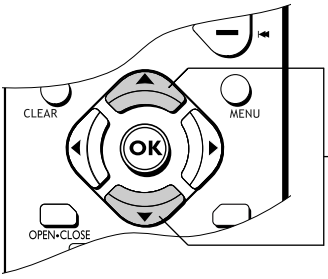


2. Set your DVD recorder remote control unit in DVD mode by pressing once on the **DVD** key.

3. Switch on your DVD recorder by pressing the **ON/STANDBY** button on the front panel of the player.

4. The first time you turn on your DVD recorder, it will ask you to select a preferred language for the various displays via the menu which appears on your TV screen. If this menu is not displayed, on your TV screen select the AV socket to which you connected your DVD recorder.

Note: The player menus as well as the dialogues and subtitles of the DVDs will always be presented in the language you've chosen if it is available on the discs played.



5. Choose a language using the ▲, ▼ keys on the remote control unit, then confirm by pressing **OK**.

Note: Note: the ▲ ▼ buttons.

Continue on the next page ...

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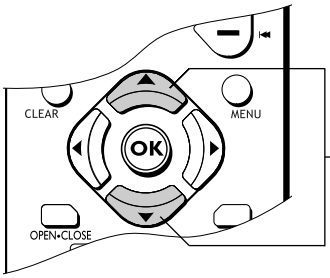
Automatic channel search

In each region, TV stations are broadcast on different channels. Your DVD recorder cannot be factory-set to receive the TV channels of your area. You will have to set up the channels by following the automatic procedure recommended below.

6. Select your country of residence using the ▼ or ▲ keys, and press **OK**.

Note: the arrows indicate that other countries are available. To find your country, use the ▲ ▼ buttons on your remote control.



7. On the screen that is displayed, the **Automatic** option is already selected. Press **OK**.

8. An installation window will appear. A cursor shows the progress in the set-up of the channels. You will need to wait a fair amount of time. When all the channels that you can receive in your area have been stored, **100 %** is indicated. The number of channels found is indicated by **XX channels found**.
Press **OK**.

Continue on the next page ...

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Sorting the channels

9. A channel sorting window will appear. The picture of the selected channel is shown in the background.

The automatic channel search has assigned numbers to the channels is a predefined order. These numbers may not be the numbers you would have chosen. Should this be the case, you can change these numbers by following the instructions at the bottom of the screen. For easy channel identification, we suggest you have a TV magazine at hand.

Edit the list of channels and their names.
To scroll to a channel, use ^ / v.
To scroll the list, use PR+/–.
Pr 01 Ch 25 BBC1
Pr 02 Ch 22 BBC2
Pr 03 Ch 28 BBC3
Pr 04 Ch 06 Eurosport

Note: Channel sorting instructions:
Move: press **OK** *(then the ▼ / ▲ keys until you reach the desired position (Pr no. on the left of the list then* **OK***: swapping of the 2 channels).*
Delete: **CLEAR** *key.*
Rename: **INFO** *keys, then ▼ / ▲ to search for a name on the list. Validate by pressing* **OK**.
Decoder adjustment : **AV** *key (indicates that the images of the selected channel will be decrypted by a decoder, of the* **CANAL+** *type, connected to connector* **AV2**. *The symbol of a decoder displayed alongside the name of the channel confirms the adjustment).*

10. When all channels have been sorted to your liking, press the ➤ key.

11. Your DVD recorder has an automatic time (and date) setting function. In general, no setting is required on your part. If the time and date information are correct, press **OK**. A message appears. It indicates that the installation of the channels are now complete. Press **OK**. The main menu of your DVD recorder appears.

Clock setting

AutoClock: If the date and time information is not correct, adjust the clock as described below, then check in the **System Options** menu that the automatic time setting is activated. This menu is reached from the **Setup** menu (see page 52). The time setting of the DVD recorder is important for the correct functioning of your programmed recordings.

1. Select **Year**. Enter 4 digits for the year (**2**, **0**, **0**, **4** for 2004).

2. Then enter the 4 digits of the date (press **1**, **5**, **0**, **5** for 15th May).

3. Enter the 4 digits of the time (press **1**, **5**, **5**, **9** for 15:59 (03:59 PM).

4. Then press **twice** on **OK**. The Main Menu will appear again. Channel set-up is complete.

Note: You can now use your DVD recorder and take advantage of its numerous functions. If you want to connect a satellite receiver to your DVD recorder, refer to page 9 for the recommended connection. You can also complete your installation through the settings available in the **System Options** *menu (refer to pages 51-52). These adjustments depend on the other devices that you are likely to connect to your DVD recorder.*

If you want to redo the automatic channel set-up, you will have to select **Interactive setup** *in the* **Installation** *menu (in the* **Setup** *menu).*

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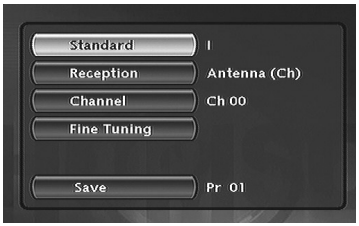
Manual channel search

If you want to set up a new channel, use the manual search procedure which will enable you to add a channel to the ones already set-up on your DVD recorder. The channels already stored will not be deleted. During the initial installation, if you carried out the automatic installation described on page 5, you do not need to carry out the steps shown on 7 and 8.

1. If the main menu is not displayed, press the **MENU** key.
2. Select the **Setup** line using the ▲ or ▼ keys, and press **OK** to validate.
3. Select the **Installation** line using the ▲ or ▼ keys, and press **OK** to validate.
4. Select the **Manual Search** line using the ▲ or ▼ keys, and press **OK** to validate.
5. Select your country of residence using the ▲ or ▼ keys on the remote control, and press **OK**.

A set-up window will appear. The **Standard** line is highlighted.

6. Select your country's TV standard using the ➤ key.



Note: the standards displayed depend on the country selected in step 5.

FRANCE (LL') *for France,*
EURO BG (BGH) *for Western Europe.*
DKK' *for Eastern Europe.*
I *for the United Kingdom.*

7. Select the **Reception** line using the ▲ or ▼ keys, and use the ➤ key to choose the type of antenna.

- Reception through external antenna: select **Antenna (Ch)**.
- Cable reception: select **Cable (Ca)**.

8. Select the **Channel** line using the ▲ or ▼ keys.
9. Press **PR+** to start the Manual search.

The search starts. When a channel is found, the picture appears in the background. The channel number is indicated (e.g.: **Ch 06**).

If the channel is encoded, press **AV** to display the pictogram next to the channel number. In this case, plug a decoder into the blue AV2 connector of the DVD recorder.

If the picture is poor, select **Fine Tuning** using ▲ or ▼ and adjust with **PR+** or **PR-**.

10. When the picture and sound of the channel are good, select the line **Save** using ▲ or ▼, and assign a channel number with **PR+** or **PR-** or the **number** keys. Press **OK** to store the number that you have assigned to the channel.

The **Channel** line is once again highlighted to start a new search. Repeat the procedure from step 9 to search for a new channel or press **MENU** to exit the manual set-up.

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Channel update

If new channels make their way into the audiovisual scene, you will have to update your DVD recorder's list of channels. In such a case, start a new channel search from the installation menu. This set-up deletes all stored channels and resets all the channels that your DVD recorder can receive. If you only want to set-up a single channel, refer to the manual search on page 7.

1. If the main menu is not displayed, press the **MENU** key.
2. Select the **Setup** line using the ▲ or ▼ keys, and press **OK** to validate.
3. Select the **Installation** line using the ▲ or ▼ keys, and press **OK** to validate.
4. Select the **Channel search** line using the ▲ or ▼ keys, and press **OK** to validate.

An installation window will appear. A cursor shows the progress in the set-up of the channels. When all the channels that you can receive in your area have been stored, **100** % is indicated. Press **OK** to return to the **Channel search** line. Press **MENU** to return to the Main Menu.

Clock setting

Your DVD recorder has an automatic time setting system which recognises the time signals put out by certain channels. If your DVD recorder is not set at the right time, you can reset it by following the instructions below;

1. If the Main Menu is not displayed, press the **MENU** key.
2. Select the **Setup** line using the ▲ or ▼ keys, and press **OK** to validate.
3. Select the **Installation** line using the ▲ or ▼ keys, and press **OK** to validate.
4. Select the **Clock Setup** line using the ▲ or ▼ keys, and press **OK** to validate.

5. **year** is highlighted. Enter the year's 4 digits (press **2**, **0**, **0**, **4** for 2004).
6. Then enter the 4 digits of the date (press **1**, **5**, **0**, **5** for 15th May).
7. Enter the 4 digits of the time (press **1**, **5**, **5**, **9** for 15:59 (03:59 PM).
8. Press **OK** to confirm.

Sorting the channels

1. If the Main Menu is not displayed, press the **MENU** key.
2. Select the **Setup** line using the ▲ or ▼ keys, and press **OK** to validate.
3. Select the **Installation** line using the ▲ or ▼ keys, and press **OK** to validate.
4. Select the **Channel List** line using the ▲ or ▼ keys, and press **OK** to validate. Refer to the **Channel Sorting** paragraph on page 6 to check or sort out the channels stored on your DVD recorder.

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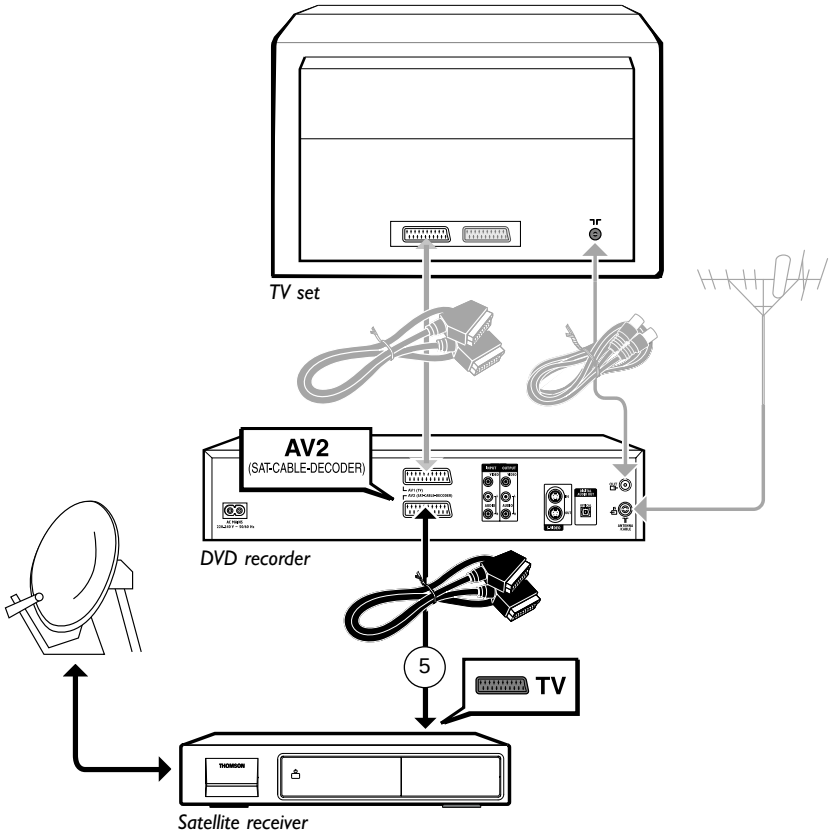
Other recommended connections

Satellite or cable reciever (or decoder)

Carrry out the connection of cable 5 (not supplied).



In grey: connections already carried out (connections from page3).

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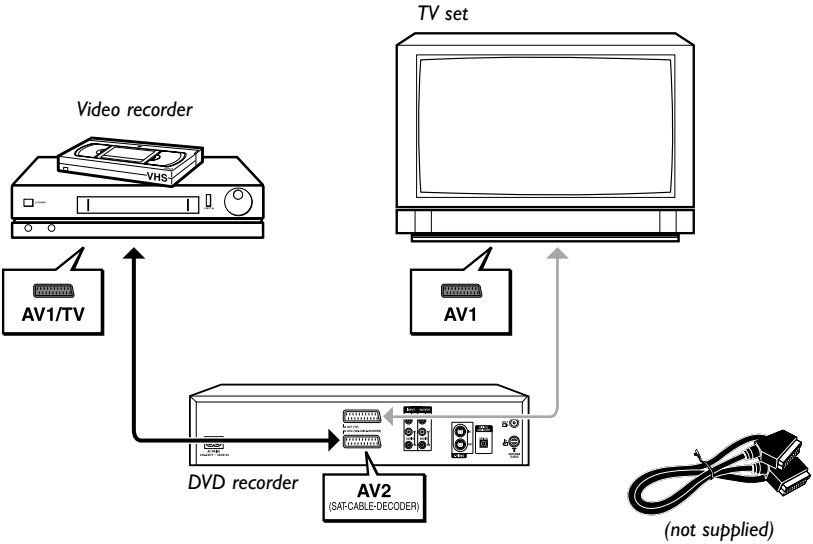
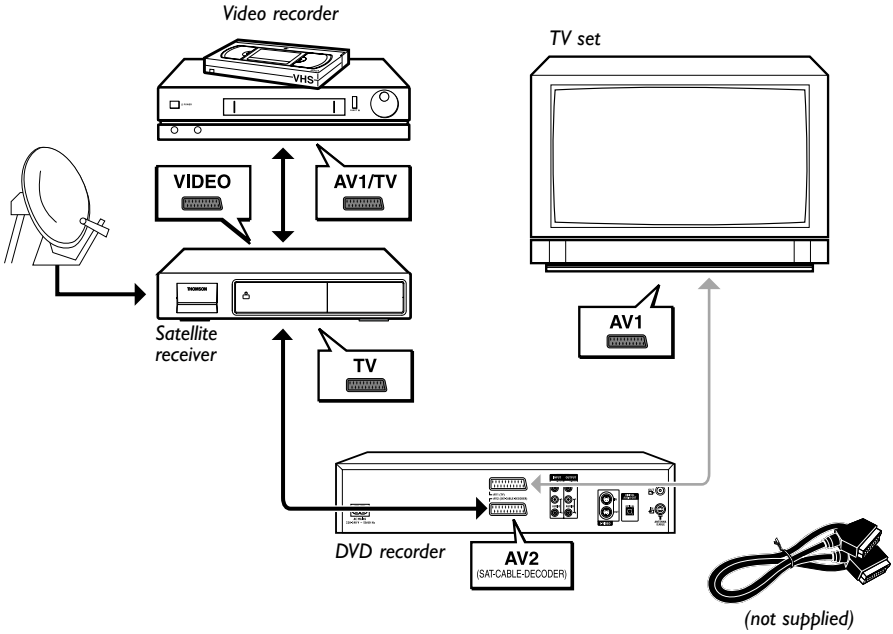
Video recorder



Satellite reciever and video recorder



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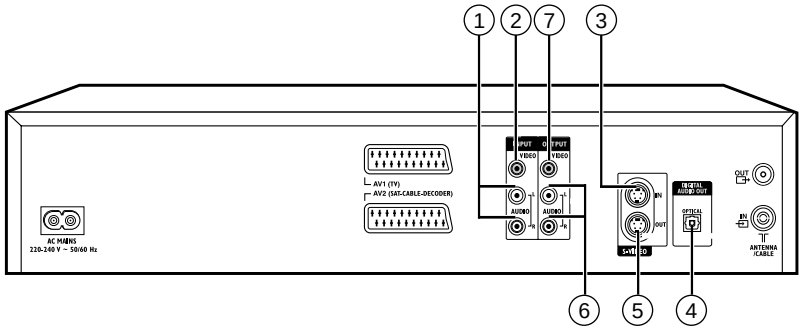
The connections proposed on page 3 permit the rapid connection of your DVD recorder and ensure optimum sound, visual quality (RGB) and standards. Depending on the sockets available on your other devices or to benefit from the maximum performance of your DVD recorder you may make other connections. The DVD recorder has other sockets for this purpose.



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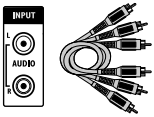
Sockets and cables (inputs)

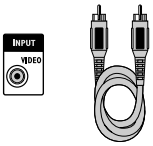


RCA sockets and cables for analogue L and R audio signal.

1 - Audio inputs (INPUT L, R)

The analogue sound of an operating device (television set or amplifier) can be input via the 2 Audio sockets L and R of your DVD recorder. If you do not use the recommended connection, i.e. the Peritel (Scart) socket, you must, as well as the video connections (CVBS or S-VIDEO) connect the outputs Audio L and R of the operating device to the Audio L and R inputs of your DVD recorder.

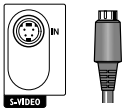
Note: the audio sockets and cables are generally identified by a colour code (white for the left channel and red for the right).



RCA socket and cable for CVBS Video signal, also called Composite.

2 – Video in - Composite (CVBS) (COMPOSITE VIDEO INPUT)

The yellow video socket also known as composite video (or CVBS): the image quality provided by this socket is less than all the other video sockets. Only use this socket if all the other sockets are already in use.



Ushiden socket and cable for Y/C Video signal, also called S-Video.

3 - S-Video input (Y/C) (S-VIDEO IN)

The S-Video signal is of a lesser quality than that of the RGB signal supplied by the Peritel (Scart) socket. The S-Video signal however gives a better image quality than the composite video socket (C) since black and white (Y) are separated from colour in the video signal.

Note: do not forget to connect the audio cables since the S-Video cable transmits only images, not sound.

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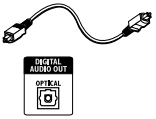
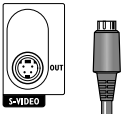


Optical socket and cable for digital audio signal.

Sockets and cables (outputs)

4 - Optical Out socket (DIGITAL AUDIO OUT)

The digital sound of a disc being played is permanently available on the optical socket of your DVD recorder. Use this socket by connecting it to a decoder or a DTS or Dolby Digital amplifier.

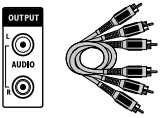


Ushiden socket and cable for Y/C Video signal, also called S-Video.

5 - S-Video out socket (Y/C) (S-VIDEO OUT)

The S-Video cable provides a video signal of lower quality than the Peritel (Scart) socket. An S-Video signal however provides a better quality image than a composite video socket, because colour (C) is separated from black and white (Y) in the video signal.

Note: do not forget to also connect the audio cables, because the S-Video cable transmits images and not sound.

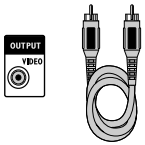


RCA sockets and cables for analogue L and R audio signal.

6 - Audio outputs (OUTPUT L, R)

The digital sound output from a disc being read is permanently available at the two audio sockets, L and R, of your DVD recorder. If you do not use the recommended Peritel (Scart) connection to the television (paragraph 3 page 3), you must, as well as one of the video connections (CVBS or S-VIDEO) connect the Audio outputs, L and R, of your DVD recorder to the Audio inputs, L and R, of your television set (or amplifier).

Note: audio sockets and cables are usually identified by a colour code (white for the left channel and red for the right channel).



RCA socket and cable for CVBS Video signal, also called Composite.

7 - Composite Video Out socket (CVBS) (OUTPUT COMPOSITE VIDEO)

The yellow video socket is also called composite video, or CVBS. The image quality delivered by the video socket is the least good of all video connections. Only use this socket if all other sockets are already in use.

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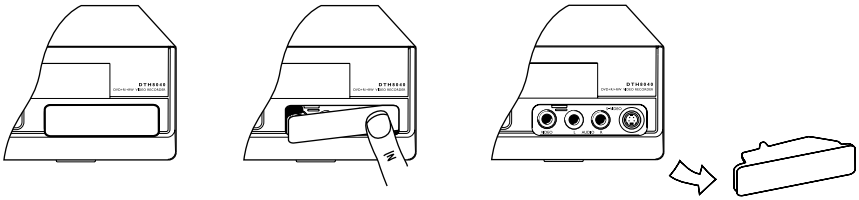
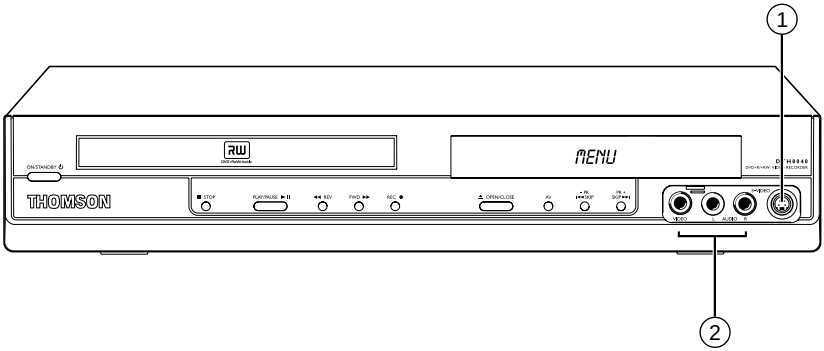
The connectors on the facade allow easy connection when copying sound and images or displaying them from a video camera



1 The connectors are behind a trapdoor

2 Press here

3 Lift the trapdoor to gain access to the connectors



Front sockets (inputs)

1 - S-Video socket

For the connection of a Camcorder or other S-Video device.

Note: do not forget to connect the audio cables since the S-Video socket handles only images and not sound.

2 - AV sockets (Audio/Video)

The **AUDIO-VIDEO** connectors allow the viewing or copying of your video sequences from a camcorder or any other AV device that provides a composite video signal and analogue stereo sound.

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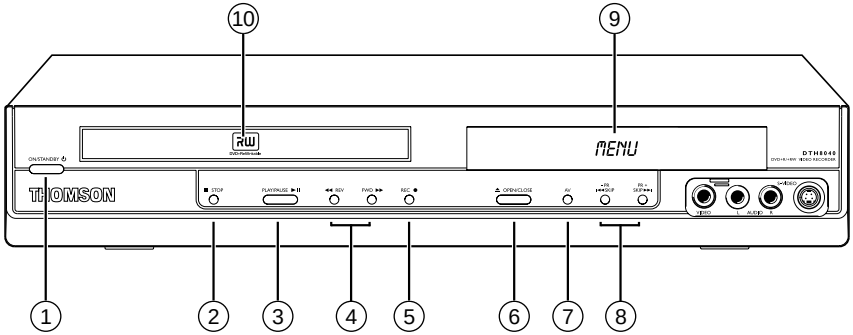
The buttons on the front



1. **ON/STANDBY** - To switch your DVD recorder on or off.
2. **STOP** - To stop play (press once) or to stop recording in progress using the **Channels** menu (press twice).
3. **PLAY / PAUSE**
   - To play a disc placed in the disc tray (**10**) of the DVD recorder.
   - Pause during playback (audio CD or mp3) or pause on an image (DVD).
4. **◀◀ REV / FWD ▶▶**
   Fast forward or reverse (page 32).
5. **RECORD** - To start recording a TV programme (the red indicator lights up) and if necessary to adjust recording time by pressing repeatedly. Each press on the **RECORD** key extends recording time by 30 minutes.

   → 0h30 → 1h00 → 1h30 → 2h00 → 2h30 → 3h00 →
6. **OPEN/CLOSE** - To open and close the disc tray.
7. **AV** - To select the audiovisual sources (channels or devices connected to the AV sockets):
   PR 1,2,3 - Channel 1, 2, 3.
   AV 1 - Device connected on **AV1** (TV set).
   AV 2 - Device connected on **AV2** (satellite receiver, decoder, …).
   AV 3 - Front **AUDIO/VIDEO** sockets.
   AV 4 - Rear **AV** sockets (**S-VIDEO** or **AUDIO/VIDEO**.
8. **PR- / PR+ / I◀◀ SKIP ▶▶I**
   To change channels (page 19).
   Skips forward or backward a chapter (page 33).
9. **Display panel** - Displays your DVD recorder's modes of operation (page 15).
   Adjusting the brightness (page 52)
10. Disc tray.

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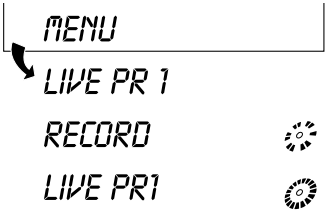
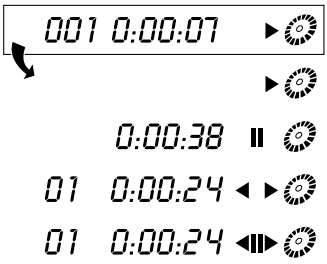
The messages on the display

TV Functions



- Main menu displayed on screen (device stopped). No function selected.
- Real-time viewing. TV mode activated; channel 1 being watched.
- Start of recording of TV program on selected channel.
- Channel 1 currently being recorded.

With a disc



- DVD playback.
- Playback of an Audio CD or VCD.
- Pause of Audio CD or still frame (DVD, VCD).
- Fast forward (▶) or reverse (◀).
- Slow motion, forward (❚❚▶) or backward (◀❚❚).

Other indications

- Indicates the Lock function is activated. (page 49).
- Indication of the selected source:
  - *AV 2*: **AUDIO/VIDEO** input connector at the rear.
  - *AV 3*: **AUDIO/VIDEO** input sockets on the front.
  - *AV 4*: **AV/ S-VIDEO** or **AUDIO/VIDEO** input sockets at the rear.

Displays on your DVD recorder (menus and banners)

- Disc menus – Each DVD disc offers a menu, the layout and order of which depend on the editor of the disc. The main menu of the disc is displayed on the screen when a DVD disc is loaded and play begins. You can also, at any time, display the main menu of the disc by using the **MENU** button.
- Player banners – while a disc is playing back you can display or remove banners using the **INFO** key on the remote control unit. The banners appear in the form of a succession of icons at the top of the screen.
- Player menus – your DVD recorder has menus enabling you to use functions that are not accessible using the remote control unit keys. The player menu is displayed when the DVD recorder is not playing a disc (in STOP mode).

Note: settings will only function if the corresponding function has been provided by the editor. For instance, if you select the subtitle icon in the banner, subtitles will only appear if they actually exist on the disc. Check the sleeve to see what subtitles are provided. If a menu or icon appears in "grey" it means that the function is not available.

EN

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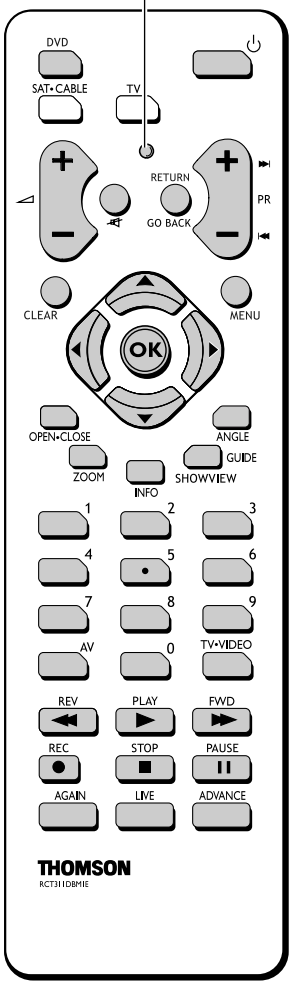
Remote control

The remote control handset supplied with your DVD recorder is a 3 in 1 type remote control. It allows 3 devices to be controlled: your DVD recorder, a television set and a satellite or cable receiver. Thus you have remote control of all these devices by using the 3 modes: DVD, TV or SAT.CABLE that are accessed by 3 corresponding keys. This page describes the keys that control your DVD recorder (in DVD mode).

Note: the functions described below depend on the discs and/or the files read.

For description of the TV and SAT.CABLE functions, see the following page.

Description of keys in DVD mode



Signal lamp - this shows the status of the remote control when it is being used to program or to control another device. It also indicates that the batteries level is low by flashing several times when a key is pressed.

⏻	Switches the DVD recorder on or off.
DVD	Sets the remote control unit in DVD mode (by pressing once), enabling you to control your DVD recorder.
PR ⏭ ⏮	Skips forward or backward a chapter (DVD) or track (CD).
RETURN	Returns to the previous menu.
MENU	Displays the DVD disc menu while a disc is being played.
CLEAR	Removes the menu or banner showing on the TV screen.
OPEN·CLOSE	Opens and closes the disc holder of the DVD recorder.
ZOOM	Enlarges the picture during playback, slow motion or pause mode.
INFO	Displays the DVD recorder information banner on the TV screen while a disc is being played.
SHOWVIEW	Display programming screen with guide number.
ANGLE	To access a choice of angles of an image if available on the disc. (JPEG) To rotate an image through 90°.
0 to 9	Keys used to enter information such as a chapter or track number, or to make choices from menus.
TV·VIDEO	Passes DVD images to the television set connected to AV1.
REV	Fast backward while a disc is being played.
PLAY	Plays a disc.
FWD	Fast forward while a disc is being played.
REC	To record the TV program watched onto the recordable disc (DVD+R / DVD+RW).
STOP	Stops disc playing or recording and displays the DVD player menu.
PAUSE	Pause during playback (CD) or pause on an image (DVD).
AGAIN	Skips backward – each press replays the last seconds during DVD playback.
ADVANCE	To skip forward approximately 30 seconds (DVD) or to play another track (audio CD).

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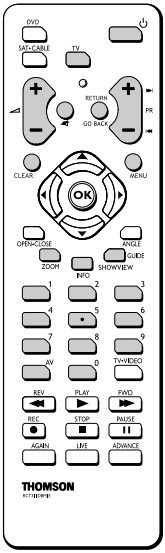
Using the remote control handset to control your television and satellite or cable receiver

The DVD recorder remote control handset is a 3 in 1 device that allows you to control the operation of 3 devices: your DVD recorder, a television set, or satellite receiver. This page describes the keys that control your television set and your satellite or cable receiver if they have the same functions.

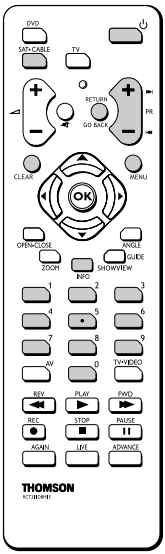
EN



Controlling a TV set

TV	Sets the remote control unit in TV mode (by pressing once) and enables you then to control your TV set.
⏻	Switches the TV set on or off.
◿	Volume control.
🔇	Switches sound off or on again.
PR ⏭ ⏮	Switches channel or selects an AV socket.
AV	Selects an AV socket.
0 to 9	Keys enter digital values or change channel.
MENU	Displays main TV set menu.
RETURN	Returns to the previous menu.
CLEAR	Removes menu or other information displayed on the screen.

Note: colour keys enable one to use the teletext function on THOMSON TV sets.



Controlling a satellite or cable receiver

SAT·CABLE	Places the remote control in the SAT•CABLE mode (press once) and then enables you to control your satellite or cable receiver.
⏻	To turn on or off the satellite or cable receiver.
PR ⏭ ⏮	Switches channel.
0 to 9	Keys enter digital values or change channel.
MENU	To display the main menu of the satellite or cable receiver.
RETURN	Returns to the previous menu.
CLEAR	Removes menu or other information displayed on the screen.

Note: the colour keys allow access to the same functions as colour keys on the remote control.

Remote control - Code A-B

With certain devices (combined TV/DVD or other DVD player) it may happen that your DVD recorder controls the DVD player of the other device. In this case you can adjust your remote control and the DVD recorder on another code known as code B (adjustment shown on page 58).

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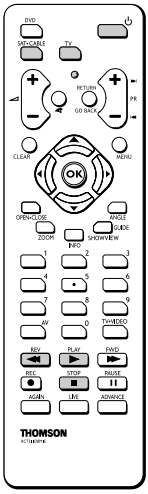
Programming the remote control

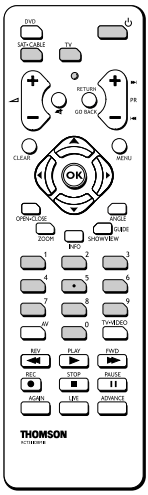
If your remote control does not control your satellite receiver (or cable) or your television set you will need to configure it using one of the two methods proposed: automatic code search or manual programming.



Automatic code search

This method can be used to automatically find the most appropriate code for your appliance.

1. Switch on the appliance you wish to use the remote control with.
2. Press the relevant button for this appliance on the remote control, and while holding this button down, press the ⏻ standby button until the remote control light comes on. Release the two buttons.
3. Point the remote control at the appliance and press **PLAY**. Wait until the light stops flashing. If the appliance has not gone into standby mode after five seconds, press the **PLAY** button again to continue the search for the next set of codes. Repeat this operation until the appliance goes into standby mode. There are 20 sets of codes.
4. When the appliance goes into standby mode, press the ⏻ button on the front to switch it on again. Then press the **REV** button to put it back in standby mode, and if necessary, keep pressing until the appliance goes into standby.
5. Press the **STOP** button and hold it down until the remote control light goes off.



Manual programming

This method involves carrying out a manual search for the codes to be used for controlling your other appliances.

1. Switch on the appliance you wish to use the remote control with.
2. Press the corresponding key on the remote control, while holding it pressed down, enter one of the codes corresponding to the make of the device (Thomson Group codes on the bottom left of this page, other brands can be found in the "Related documents" leaflet).

   If the remote control light flashes you have entered the wrong code or it is not possible to program the remote control.
3. Point the remote control at the appliance and press the relevant button. Press the ⏻ standby button.
   If the appliance does not go into standby mode, try another code.

   Depending on the year of manufacture and the type of appliance, some functions may not be available.

Certain codes may cover more functions than others. Test the functions you can control and, if appropriate, try other codes.

Note here the code(s) which work best.

TV				
SAT•CABLE				

*Note: when you **change** the remote control's **batteries**, remember to **reprogram** it.*

SAT Codes: 5000, 5001, 5031, 5037, 5043, 5064, 5065, 5066, 5058, 5084.

TV Codes: 1000, 1001, 1002, 1016, 1024, 1033, 1041, 1051, 1089, 1096, 1127, 1128, 1129, 1130, 1134, 1135, 1148, 1151.

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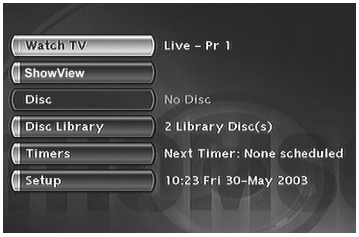
To watch TV Programmes

1. Turn on your television set.
2. Turn on your DVD recorder using the **ON/STANDBY** key. The time displayed on your DVD recorder is replaced by the word ***MENU***.
   - After a few seconds the main menu of the player appears on the television screen.
   - **Watch TV** function is already selected.



Note: turn off non used devices to avoid problems of selecting sockets or other types.
If the main menu of the player is not displayed on the television screen, check and/or select the Scart socket to which you connected your DVD recorder (see page 3 - AV1 selection). Generally the selection is carried out using the AV key on the television set remote control.
If the THOMSON logo temporarily appears, it is because the screen saver has been triggered ; press the **OK** *button to display the menu*

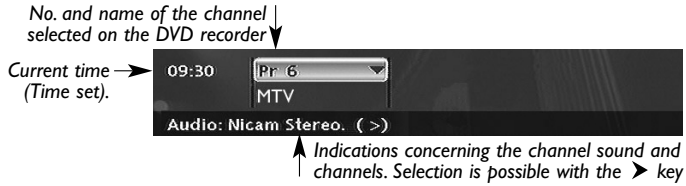
3. Press the **OK** key of the remote control or one of the **PR+/PR-**, keys on the front panel.
   - The images of the last watched channel appear.
   - Encrusted within the image is information on the channel and programme. This disappears after several seconds.

Note: when the information banner is displayed at the top of the screen you have the possibility of choosing an audio channel (if this is provided by the channel) using the ➤ key on the remote control. To display information again, press the **INFO** *key of the remote control.*

To change channel

Change the channel with the **PR+/PR-** key or the remote control number keys. To select the channel of a device connected to your DVD recorder (satellite reciever) or to view images from a video recorder, use the **AV** button on the remote control or press the **PR+/PR-** button several times to select one of the three connectors (**AV1**, **AV2**, **AV3**) to which the device is connected.

Note: where needed, see the connection diagrams on pages 9 and 10.


No. and name of the channel selected on the DVD recorder
Current time (Time set).
09:30
Pr 6
MTV
Audio: Nicam Stereo. (>)
Indications concerning the channel sound and the selection of audio channels. Selection is possible with the ➤ key on the remote control.

Note: NICAM sound is digital, compatible with analogue tv sets. It is broadcast by certain channels and relayed by certain emmiters in some European countries. NICAM (Near Intantaneously Companded Audio Multiplex) is also used to broadcast Dolby Surround stereophonic programmes or for simultaneous broadcasting in two languages or for two different sounds (intended for blind and poorly sighted people).

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Record the current programme

Your DVD recorder has recording functions similar to a video recorder. It records programmes on DVD (DVD+R, DVD+RW) type discs. For the same disc, the recording time depends on the quality settings that you can adjust according to the time left on the disc. The recording may be immediate or deferred. Deferred programming is explained on page 22. For immediate recording follow the instructions below.

When using disks: Choose good quality discs. To avoid any problems use known brands such as Imation, Maxell, Philips, Ricoh, Verbatim, Sony…

4. Open the DVD tray by pressing the **OPEN/CLOSE** key. Put in a disc DVD+RW or DVD+R. The printed side upwards, (double-sided discs have concentric marks around the central hole on each side of the disc). Close the tray using the **OPEN/CLOSE** key. Choose a recording quality in relation to the time available on the disc. See **Recording Quality** paragraph on page 53.

*Note: **Disc Formatting** - When you insert a DVD+RW disc for the first time, your DVD recorder must first format the disc. This operation may take several minutes (up to 10 minutes), however you can begin recording on the disc shortly after beginning the formatting process (after around 10 to 20 seconds).* FORMAT DSC *remains displayed during this operation on the display.*

5. Press once on the **REC** key of the remote control or on the **RECORD** key on the façade of your DVD recorder to record the current programme until the end of the disc. To record for a short period, press the **REC** button several times. Each press increments the time by 30 minutes up to a maximum of 3 hours, if the recording quality and the time remaining on the disc are sufficient (see page 53).

- Recording starts.
- RECORD is displayed for a few moments on the display of the DVD recorder. The red signal lamp on the façade lights and confirms that recording has started.
- The information banner appears for several seconds on the screen of your television. The information that is displayed confirms the channel, the programme being recorded and the time remaining on the disc.

*Note: after several seconds the information banner disappears. You can redisplay it using the **INFO** key on the remote control.*

Changing the channel during recording is not possible. To watch another channel during the recording session, select it directly on the television set, using its own remote control handset.

With each recording session the name and programme parameters recorded on the disc are automatically placed in the library memory of your DVD recorder. The library can contain up to 200 programme names recorded on different discs.

*To watch your recorded programmes see the **Disc** menu, details on page 42.*

*To consult the library see the **Disc Library** menu, page 26.*

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Stop recording

Press the **STOP** button twice.

- With a DVD+R disc, if you do not have another recording to make, you need to "Finalize" the disc in order that it can be read by other DVD+R compatible players. Closing a DVD+R disc is described in detail below. If you do not close a DVD+R disc, it will still be possible to make other recordings on it later on, providing there is enough disc space. You can therefore safely store it. You can also erase recordings, but you will lose the corresponding recording time which cannot be used to record other titles.
- With DVD+RW discs discs this function does not exist. It is replaced by a function that renders the disc compatible in such cases where you have added or removed chapter bookmarks using the edit menu. For some players, it is necessary to render the disc compatible even though you haven't carried out modifications to the chapters.

Note: if you only press once on the **STOP** *key, the confirmation window appears. Press a second time to definitively stop the recording or select continue using the* ▲ *and* **OK** *keys. At the end of each recording, your DVD recorder takes a few seconds to prepare the start menu of the disc. This menu is formed from representative images from each title. To view a recording, see page 42.*

Closing a DVD+R or DVD+RW disc (Finishing a disc)

When a disc is full, or if you do not want to record any other programmes on the disk, you need to finish the disc so that it can be read by other players that are compatible with the disc format. However, if you do not carry out this operation you will still be able to read the disc on your DVD recorder.

1. With the disc in the DVD recorder.
2. From the main menu, select **Disc** using the ▼ or ▲ button and then confirm with **OK**.
3. Select **Disc Title Menu** using the ▼ or ▲ button and confirm with **OK**. The title menu is displayed. The name of the disc is selected. Press **OK** to display the specific functions of the disc.

4a. With a DVD+R disc:
Select **Finalize Disc** using the ▼ or ▲ button and confirm with **OK**. Your DVD recorder, closes the disc session and prepares a home screen made up from images representing each recorded title. *FINALIZING* remains displayed during this operation and disappears once the disc is ready.

4b. With DVD+RW discs:
Select **Make compatible** using the ▼ or ▲ button and confirm with **OK**. Your DVD recorder, closes the disc session and prepares a home screen made up from images representing each recorded title.

Note: you need to make a DVD+RW disc compatible if you have added or deleted chapter bookmarks in order that the disc can be played on other DVD players.

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Programming a recording

You can record a future programme by programming its recording time. For this you have the choice of manual programming or **SHOWVIEW®** programming, explained on page 24. Open the DVD tray by pressing the **OPEN/CLOSE** key. Put in a disc with the printed side upwards. Close the tray using the **OPEN/CLOSE** or **PLAY** key.

1. From the main menu (**MENU** key or in Stop mode) select the **Timers** function with the ▲ key or ▼ then confirm using the **OK** key.
   - The **Timers** screen is displayed. It contains a list of all the deferred recordings that you have already programmed, whether carried out manually, as explained below, or using the **SHOWVIEW®** function explained on page 24. If nothing has been programmed the screen simply displays **Add Timer**.
2. Press the **OK** key.
   - The programming menu is displayed. This menu allows you to define all the parameters necessary for a deferred recording. Select each parameter with the ▲ or ▼ key and enter the corresponding information with the number keys or the ➤ key as described below.

Note: your DVD recorder can memorise the parameters of 8 different programmings. In the case of double programming, a warning message is displayed.

3. **Name**
   Give a **Name** to your programme. Press the **INFO** key to access the keyboard table. Use the keys ▲, ▼, ➤, ◄ and **OK** to compose the title of the recording letter by letter. When complete, select **Keep Timer** with ➤ and press **OK**.
4. **Channel**
   a) Enter the channel number using the digit keys of the remote control (**Pr --** must be displayed) or browse the list of channels in the memory of the DVD recorder using the **PR+/PR-** key.
   b) Or select one of the Audio-Video (AV2, AV3, AV4) sockets to which is connected a device (satellite receiver or other) using the ➤ key (the socket details are shown on page 14).

   Note: selecting the AV2 connector allows you to program the recording of a satellite reciever programme (either left switched on or also programmed) connected to this connector. The selecting of the AV2 connector is activated by default by the **AV Timer** *function (triggering of programming via the AV connector).*
5. **Day (s)**
   Using the digit keys on the remote control type in the date, if the recording is not made the same day, and / or select a period using the ➤ key.

   Once: *to record the selected programme according to the parameters you have defined.*

   Every Fri: *to record the same programme the same day every week starting from today (supposing today is Friday).*

   Mon-Fri: *to record the same programme, everyday at the same time from Monday to Friday.*

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6. Start time and stop time
Enter the recording start time and then the stop time.
To this end, and according to the features of the receivers, you must:
- either program the receiver with the same beginning and end times, then switch off the DVD recorder and the receiver,
- or leave the satellite receiver switched on, on the channel to record, program the DVD recorder, then switch it off.

Note: if you selected AV2 during step 4, you do not need to enter the start and stop times, since it is the device that is connected that triggers the start and stop of the recording at the times set via its programming menu.

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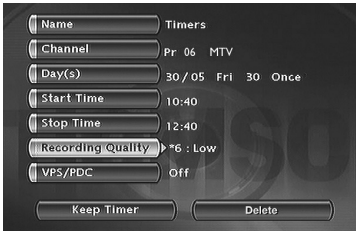
7. Recording quality
Select a recording quality from the 6 proposed using the ➤ key.
***1: Best**, ***2: High**, ***3: Good**, ***4: Normal**, ***5: Basic**, ***6: Low**.



*Note: the choice of quality allows an adaptation to the remaining recording time on a DVD disc. The lower the quality is, the more space there will remain on the disc. For example the time available on a blank DVD disc of 4.7 Gb in "***Low***" quality is around 8 hours, while in "***Best***" quality the time will only be around 60 minutes. The figure* **1** *to* **6** *is displayed in the information banner when playing the recording. The quality choice is only valid for one particular programming session.*
For an automatic quality setting in relation to the time remaining on the disc, activate the **SmartRecord™** *function (page53).*

8. VPS/PDC
Activate the **VPS/PDC** function using the ➤ key to trigger recording at the actual time of the beginning of the broadcast. If the channel broadcasts VPS/PDC signals you can avoid the consequences of any delays in broadcasting. This adjustment is only valid for this programming session and for channels received via the aerial (*PR - -*).

9. Keep Timer
Memorise your programming by selecting **Keep Timer** with the ➤ key and confirming with the **OK** key.
- The Programming screen reappears. Your programming is now displayed in the chronological list of programming already carried out. On this screen it is only possible to display 5 programming sets from the maximum 8. If you have carried out more than 5 programmings, to see the others press the ▲ or ▼ key.

Note: to check (or delete) programming parameters, select a name and press **OK**. *The programming parameters menu appears. Correct the parameters as shown in steps 1 to 9 or delete the programming by selecting* **Cancel Timer** *and confirming with the* **OK** *key.*

10. Return to the main menu using the **MENU** key in order to continue to use your DVD recorder or turn it off using the **ON/STANDBY** key, after having loaded a DVD+R or DVD+RW disc with remaining time compatible with your programming.

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SHOWVIEW® Recording

Your DVD recorder allows to program **SHOWVIEW®** recordings by means of the numbers printed in most TV magazines (e.g. 5697841). Simply enter this number when the SHOWVIEW® screen is displayed, it contains all the necessary recording parameters (channel, date, start and end times).

SHOWVIEW® is a registered trademark of Gemstar Development Corporation. The SHOWVIEW® system is manufactured under licence from Gemstar Development Corporation.

Before using SHOWVIEW® ensure the channels have been properly installed, as shown on page 5, and that the clock of your DVD recorder is correctly adjusted (date and time).

Programming a recording

1. Place a DVD+R or DVD+RW disc in the DVD recorder.
2. Press the **SHOWVIEW** key on the remote control, or from the main menu (MENU key or in stop mode), select the **SHOWVIEW** function with the ▲ key or ▼ key and confirm it with **OK**.

Note: In cases of error when inputting a number, the manual programming menu appears with the parameter to be corrected highlighted.

3. The SHOWVIEW® screen appears. Enter the number of the programme to record with the number keys on the remote control. In case of error, delete the figures using ◄. Confirm with **OK**.

4a. In certain cases one of the recording parameters must be given or corrected. In this case, the manual programming screen appears with the relevant parameter highlighted. Make the correction then choose **Keep Timer** using ▼ and confirm with **OK**.
The programming now appears in the programming screen. Press **Return** to return to the main menu.

4b. If the guide number is correct, the manual programming menu appears. **Keep Timer** is selected. Check the parameters and press the **OK** key. Your programming now appears in the programming screen. Press **Return** to return to the main menu.

Your DVD recorder can memorise the parameters for 8 different programmes. If two programmes overlap a warning message is displayed.

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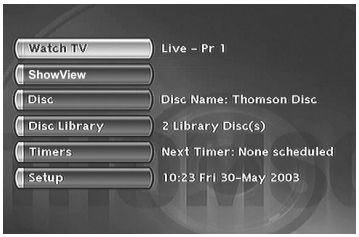
Recording from a connected device

Your DVD recorder allows you to record TV programmes (satellite or cable) or to copy video sequences from a connected device.

From a satellite receiver or cable receiver (AV2 socket)

1. Place a DVD+R or DVD+RW disc in the DVD recorder.
2. From the Main Menu and with the **Watch TV** function selected, press **OK**. The images of the last channel watched appear. The information banner is displayed for several seconds.



3. Select the AV2 connector of the DVD recorder using the **AV** button on the remote control, so that **AV2** is displayed in the banner and on (*LIVE AV2*) display of the DVD recorder.

4. Record by pressing the **REC** key on the remote control or **RECORD** on the front panel.
5. Stop the recording by pressing twice on the **STOP** key.

From a Camcorder or other device (AV3, AV4 socket)

Your DVD recorder has both RCA Audio-Video and Ushiden sockets for the transfer of video to a recordable disc.

1. Place a DVD+R or DVD+RW disc in the DVD recorder.
2. Place the device in its play mode.
3. From the Main Menu and with the **Watch TV** function selected, press **OK**. The images of the last channel watched appear. The information banner is displayed for several seconds.
4. Using the **AV** button of the remote control while the information banner is displayed, select the AV3 connector if your camcorder is connected to the front of your DVD recorder, or AV4 if it is connected to the **S-VIDEO IN** connectors or **COMPOSITE INPUT** at the rear of the machine.
5. Record by pressing the **REC** key on the remote control or **RECORD** on the front panel.
6. Stop the recording by pressing twice on the **STOP** key.

Note: you can copy films in a single pass without concerning yourself about the content since the **Split Title** *function will afterwards allow you to isolate and then delete any unwanted sequences. You can also create titles of your choice. See page 37.*

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Library

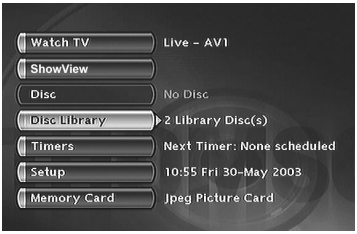
You can easily find the contents of your DVD+R or DVD+RW discs thanks to the library function of your DVD recorder. With each video recording the DVD recorder places in memory the name of the disc and the recording parameters. The disc library allows you to access the following information:

- Identity of the disc.
- Name of the recording identified by default by the channel number, date, … You can record television programmes as well as songs and / or images from a digital device but not on the same disc.
- Type.
- Recording date.

Note: the library can contain the names of 200 titles located on the various discs in your "DVD Library" (DVD+R or +RW discs only). In order to help you to find a title, the library also has sorting functions to assist you (sort by title, sort by category, etc …). To access the library follow these instructions.

To find a Title (recording)

1. From the main menu (**MENU** key or in stop mode) select the **Disc Library** function with the ▼ or ▲ key, then confirm it with the **OK** key. The **Disc Library** screen is displayed. If you have already carried out recordings these names and titles are displayed on the left (6 titles per page).



2a. Browse the list using the ▼ or ▲ key and press **OK** when you have found the title that you want.

Note: a disc identity is displayed in front of the title when the disc that this title is on is actually present in your DVD recorder. For direct recordings or for those that you made without giving them names, these are displayed with the name of the channel and an abbreviated time and date.

2b. Select a function in the window using the ➤ key, the use ▼ or ▲ to select a sort criteria or one of the library management functions.

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Sort by Title

This is an alphabetic sorting. The titles beginning with punctuation signs are listed first, followed by those with digits and then those with letters, beginning with the letter .

Note: sorting by title displays a character chart. Using the ▲, ▼, ◀, ▶ buttons select the first letter of the title being sought and press **OK**.

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Sort by Category, Sort by Date

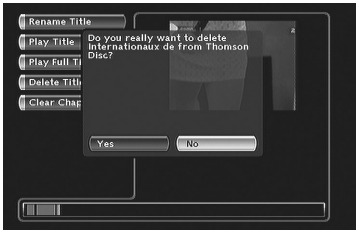
There is a sort by title category available if you allocated a type after each recording, or a sort by recording date. Use the ▼ or ▲ key to select a category and press **OK**. All the titles in the selected category are then displayed. For a sort by date, the most recent recordings appear at the top of the list.

Access to the title menu

This function allows you to access the menu of a particular disc, displaying all the titles on the disc and displaying the selected title in a small window.

- To view the title full-screen press **PLAY**.
- To view another title, use the ▼ or ▲ key and then **PLAY**.

- To delete the title press the **OK** key and select **Delete Title** with the ▼ or ▲ keys. Confirm with **OK**. In the confirmation screen that is displayed select **Yes** with the ◀ key and confirm with **OK**.



*Note: the deleting of a title (recording) is not immediate, it may take several seconds. Wait until the message "***Please Wait...***" disappears from the bottom of the screen.*

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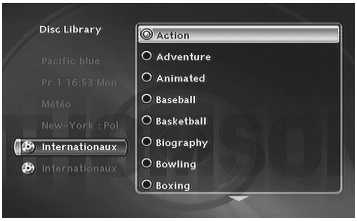
Assign or Change the Category of a title

This function allows you to allocate a title (or to change it) to a category in the list proposed by the DVD recorder. Select **Change Genre** and press **OK**.



Select the category using the ▼ or ▲ key and confirm with OK.

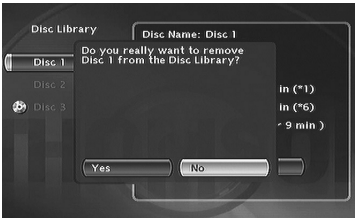
Show discs

This function allows you to display the menu of all the discs in the library and to search by sorting for available time (available space), number or name of the disc. You can also delete all the titles on a library disc or display all the titles on a disc.

Disc Library
Disc 1
Disc 2
Disc 3
Disc Name: Disc 1
Disc Number: Disc 1
Titles on Disc : 1
Available Space: 1 hr 3 min (*1)
Available Space: 8 hr 6 min (*6)
Current Quality: *4 (4 hr 9 min)
Smart Record: Off
Sort By Space

Use the ▼ ▲ keys and OK to confirm your choice.

The **Delete Disc** function allows you to delete all the titles on a disc in the library .



Note: if you delete a disc, it will always be possible to "reload" the titles of this disc by adding a recording that you can then later delete from the disc.

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Discs you can record

• **DVD+R, DVD+RW** - Most DVD+R discs (recordable once) and DVD+RW discs (re-recordable) of 4.7 Gb capacity.

Certain **brands of discs** have been approved for your player. Other brands can be used but the discs must be good quality to produce successful recordings. The recommended brands are **Imation, Maxell, Philips, Ricoh, Verbatim, Sony, TDK**
DVD discs are certified for certain recording speeds. These speeds must correspond to the capabilities of your player, i.e., DVD+R → 2.4x, 4x, 8x and for DVD+RW → 2.4x, 4x.
Note: The brands mentioned in this manual are registered trademarks

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Discs you can play

• **Digital video discs** - 12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.
Region code number - Your DVD recorder responds to the regional management information recorded on DVDs. The regional code of your DVD recorder is 2. Before buying a DVD, make sure that it bears the correct logo. ALL means all regions.

Note: for your information: the other areas are - 1: USA, Canada - 3: Southeast Asia, Taiwan - 4: Central America, South America, Australia, Mexico, New Zealand - 5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan - 6: China.

• **DVD+/-R, DVD+/-RW** - Most DVD-R and DVD+R (one recording only), and DVD-RW and DVD+RW discs (rewritable). Recordings on DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings on DVD+RW discs must be made in accordance with the specifications for the 4.7 Gb capacity DVD+RW disc format.

• **Audio CDs** - 8 and 12 cm audio CDs.

• **CD-R, CD-RW** - Most CD-R (one recording only) and CD-RW discs (rewritable). Compatibility is dependent on which DVD writer, writer software and discs are used.

• **Video CD (VCD)** - CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.

• **Super Video CD (SVCD)** - Most S-VCD discs conform to the IEC 62107 standard. They can be used to record up to 70 minutes of digital sound and video, with MPEG-2 standard video and MPEG-1 standard audio. S-VCD disc compatibility is dependent on which MPEG coding software, disc design software and disc writer software are used, and the discs themselves.

Note: in spite of progress made to ensure playability of all disc types, it is not possible to guarantee playback of discs which are not in conformity with DVD, CD, VCD or S-VCD standards. Moreover, this unit may not play some recordings or files on CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW due to differences in recordings formats, software used & Disc types.

• **MP3 files** - Discs containing sound files in MP3 format.

• **JPEG files** - Discs containing images in JPEG format. Compatibility is dependent on the disc creation software used and file sizes, stated in millions of pixels. Certain JPEG files such as Progressive JPEG files cannot be read by this equipment.

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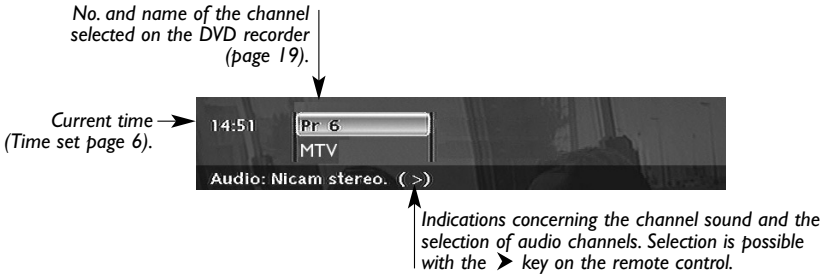
Interactive banners

In addition to menus, your DVD recorder has interactive information banners with icons representing functions or information. Some banners provide access to disc playback functions (for DVDs, CDs, VCDs, etc.) while others give you information on the channels and related functions.

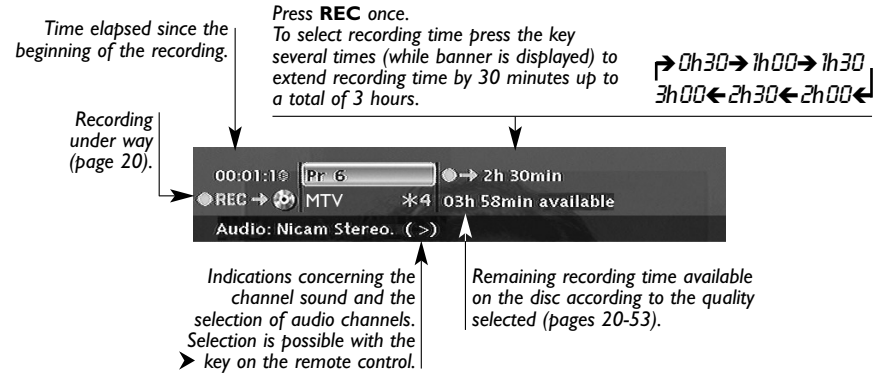
In TELEVISION mode (Operating principle)

1. Turn on your TV set and your DVD recorder.
2. In the Main Menu of your DVD recorder, (**Watch TV** line selected) press **OK**.
   The picture of the last channel selected appears. An information banner is displayed along with the picture for a few seconds. To view it again, press the yellow **INFO**.

Information on the TV channel being watched


No. and name of the channel selected on the DVD recorder (page 19).
Current time (Time set page 6).
14:51
Pr 6
MTV
Audio: Nicam stereo. (>)
Indications concerning the channel sound and the selection of audio channels. Selection is possible with the ➤ key on the remote control.

Recording the channel being watched (here, channel 6)


Time elapsed since the beginning of the recording.
Press REC once.
To select recording time press the key several times (while banner is displayed) to extend recording time by 30 minutes up to a total of 3 hours.
0h30 → 1h00 → 1h30
3h00 ← 2h30 ← 2h00
Recording under way (page 20).
00:01:10
Pr 6
2h 30min
REC
MTV
4
03h 58min available
Audio: Nicam Stereo. (>)
Indications concerning the channel sound and the selection of audio channels. Selection is possible with the ➤ key on the remote control.
Remaining recording time available on the disc according to the quality selected (pages 20-53).

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In DISC PLAYING mode (Operating principle)

1. Load a disc and press **PLAY** to start playback.
2. To display the banner, press the yellow **INFO** key.
3. Select an icon using the ◄ , ► keys, or enter a number using the number buttons to access a chapter, a title or a track depending on the disc being played (when the corresponding **T**, **C**, **P** icon is selected).
4. Remove the banner using the yellow **INFO** key or the **CLEAR** key, or wait a few seconds until it disappears.

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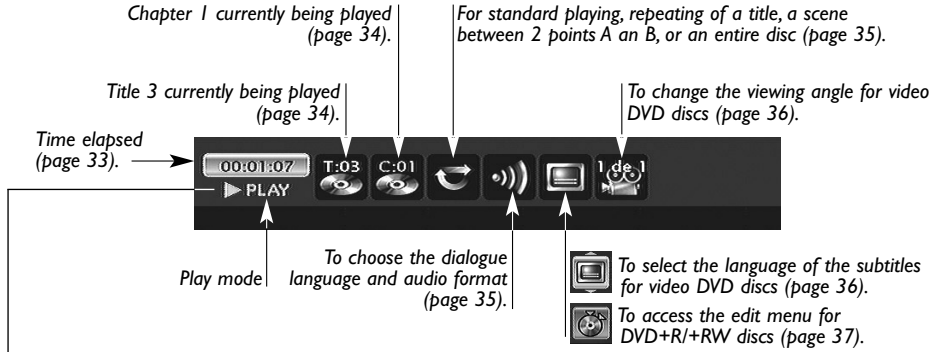
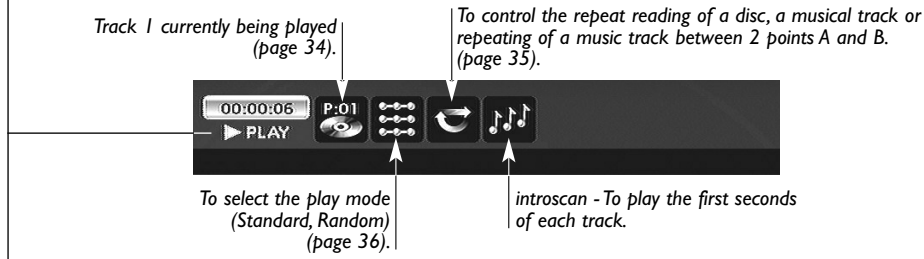
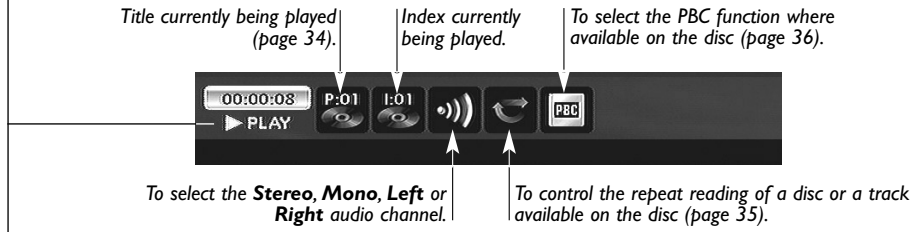
With a DVD


Chapter 1 currently being played (page 34).
For standard playing, repeating of a title, a scene between 2 points A an B, or an entire disc (page 35).
Title 3 currently being played (page 34).
To change the viewing angle for video DVD discs (page 36).
Time elapsed (page 33).
00:01:07
T:03
C:01
1 de 1
PLAY
Play mode
To choose the dialogue language and audio format (page 35).
To select the language of the subtitles for video DVD discs (page 36).
To access the edit menu for DVD+R/+RW discs (page 37).

With an audio CD


Track 1 currently being played (page 34).
To control the repeat reading of a disc, a musical track or repeating of a music track between 2 points A and B. (page 35).
00:00:06
P:01
PLAY
To select the play mode (Standard, Random) (page 36).
introscan - To play the first seconds of each track.

With a VCD (Video CD)


Title currently being played (page 34).
Index currently being played.
To select the PBC function where available on the disc (page 36).
00:00:08
P:01
I:01
PBC
PLAY
To select the Stereo, Mono, Left or Right audio channel.
To control the repeat reading of a disc or a track available on the disc (page 35).

*Note: PLAY MODES (***PLAY**, **PAUSE**, **REV**, **FWD** *buttons)*

▶ **PLAY** *(Play) Fast forward (▶ x3, x6…), or reverse (◀ -x3, -x6…).*

❚❚ **PAUSE** *(Pause) Slow motion, forward (❚❚▶▶ 1/2 , 1/6 …), or backward (◀◀❚❚ -1/2 , -1/6 …).*

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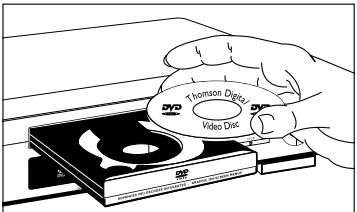
Loading and playing a disc

Switch on your TV set and DVD recorder. It may be necessary to turn off other appliances.

1. If the player menu is not displayed on TV screen, select the TV set Scart Peritel socket to which you connected your DVD recorder (see page 3).
2. Open the disc tray by pressing **OPEN/CLOSE**. Place the disc on the tray.



Loading a "single-sided" disc.

Note: the disc label must face upwards (double sided discs have a small label on both sides around the centre).

3. Close the disc tray by pressing the **OPEN/CLOSE** or **PLAY**. According to the type of disc one of three things may now happen:
   - disc playback starts,
   - the disc menu is displayed (DVD video disc) and proposes, for example, selection of the language of dialogues, subtitles, etc, or to begin playing the disc. Select using the 4 ▲, ▼, ◀ and ▶ keys, then confirm with the **OK** key.
   - in the Main Menu **Disc** is highlighted. Press once or twice on **PLAY** to access the disc's menu or to begin playing it (recorded DVD+R / DVD+RW discs).

Note: the **Disc** *heading is shown as transparent when there is no disc in the device or if the disc is not compatible.*

Search Options

Quick search of an image or a track

In Play mode, start the Forward or Reverse fast motion playback using the **FWD** (forward) or **REV** (reverse) keys. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Still picture and frame advance

During playback press **PAUSE** once to freeze the image. Press **PAUSE** again to go into "frame" mode (the *PAUSE* icon is then replaced by the *FRAME* icon on the TV screen). Press **FWD** or **REV** to view images one after the other forward or backward. To resume normal playback press **PLAY**.

Note: If the DVD recorder is left in pause mode for a long period with a DVD or a VCD, the home screen comes on. Press any key on the remote control unit to resume display of the image transmitted from the disc.

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Slow motion (in Pause mode on an image)

During playback press **PAUSE** once to freeze the image. Press **FWD** or **REV** to view images in slow motion forward or backward. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Skipping a chapter or a track (DVD - VCD - CD)

During playback you can access the following or previous chapter (or track) by pressing **PR** ⏭ and/or **PR** ⏮ on the remote control unit.

Note: Forward or backward skips can also be made by using the **PREV** *and* **NEXT** *keys on the DVD recorder.*

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Scene Again™ (DVD)

During playback press **AGAIN** on the remote control unit. Each touch of the key steps back 10 seconds (approximately) of play).

Advance (DVD)

During playing of the disc, press the **ADVANCE** key of the remote control to skip ahead by approximately 30 seconds.

Playback options

Enlarging an image (zoom) (DVD - VCD - JPEG)

During playback press the **ZOOM**. key once or repeatedly. Move the zoomed image around using ▲, ▼, ◀ and ▶ to view a particular spot. If this does not work, try again after pressing **PAUSE**. To resume normal playback press the key several times to return to the original format.

Titles, chapters, time elapsed, audio and subtitles (DVD)

From the banner, you can access certain functions directly using the ◀, ▶ keys. Choose a title or a chapter (DVD), or a track (CD, VIDEO CD). Change the language of DVD dialogues or subtitles.

For direct access to a specific scene on the disc, select the first icon with the ◀ ▶ keys. Enter the requested place in the scene (expressed in hour, minutes, seconds) with the remote control number keys. (enter 001205 to access a scene which is 12 minutes and 5 seconds away from the start of the disc (DVD) or track (Video CD)).

Note: with certain discs, direct access to a scene is not possible even if the time elapsed is shown on the banner.

A question mark in the counter zone indicates an input error.

This symbol is sometimes displayed. It indicates that the function is not available or that the key used is incorrect ⊘.

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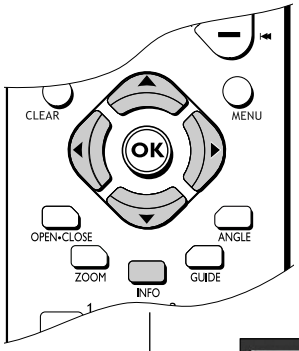
The disc information banner



To access the information banner, press **INFO** on your remote control unit during playback. Use arrow keys ◄ and ► on the remote control unit to select the various icons. When an icon is selected it is highlighted. The line under the banner is an information and instruction line. When small arrows appear above and below the selected icon these point to other possible options. Now use the ▲ and ▼ keys to scroll through the various options.

Banner with a DVD video disc.

Note: the icons displayed in the banner depend on the type of disc being played.

Timer (DVD, VCD, CD)

This icon shows the time elapsed since the start of playback. The time displayed is that of the title of a DVD disc during playback. The timer provides direct access to a scene or a musical passage by keying in the starting time.

Select the time elapsed icon and use the numbered keys on the remote control unit to access the place from which you want to play back. Use two digits for each field. For instance, if you enter 01:35:12, you will access the sequence beginning 1 hour, 35 minutes and 12 seconds after the start of the title.

Note: for audio VCDs, the timer refers to the track currently being played.

Title or Track (DVD, VCD, CD)

Most DVD discs only contain one title. However some discs may contain several titles each of which is itself divided into several chapters.

To choose a title, select icon **T** then use the ▲ or ▼ keys to scroll the titles or tracks. Use the numbered keys on the remote control unit to access a particular title or track.

Chapter (DVD)

Most DVD discs contain several chapters.

To choose a chapter, select icon **C** then use the ▲ or ▼ keys to scroll chapters. Use the numbered keys on the remote control unit to access a particular chapter.

Note: follow your progress below the banner.

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Selecting the language of subtitles

Selecting the language of dialogues

Subtitle and dialogue language (DVD)

1. While reading a disc, press the **INFO** key: the information banner is displayed.
2. Use the ◄ or ► keys to select the icon of the subtitles or dialogues as well as the sound format.
3. If available on the disc, select the language of the subtitles or dialogues using the ▲ or ▼ keys. The selected language name appears beneath the banner.

Note: selecting the language of subtitles only involves the disc being played. If you remove the disc or if you switch off the DVD recorder your selection will be cancelled. In this case the default language, chosen when your DVD recorder was first installed, will be reactivated. If the preferred language is not available on the DVD disc the preferred language of the disc (default language) will be selected automatically. With some discs you can only access the dialogue or subtitle languages through the menu provided on the disc.

Play modes

Play modes of discs (DVD - VCD)

The DVD recorder has several play modes that depend on the type of disc being played: standard play respects the order of the titles and chapters on the disc; repeat between 2 points or repeat a disc, a title. The icon of the play mode is accessible via the information banner during playback.

During playing of a disc, press the **INFO** key (the information banner is displayed). Use the ◄ / ► and ▲ / ▼ keys. The icon changes depending on the mode selected as well as the text area in the information banner: Standard, Repeat title, Repeat A-B, Repeat disc.

Note: the standard play mode is activated every time a new disc is placed in the DVD recorder.

Repeat playback of a scene between two points A and B (DVD - VCD - SVCD - CD)

A-B Repeat mode allows you to select exactly the sequence you wish to repeat.

1. Select the repeat playback function using the ▲ or ▼ keys. **A-B Repeat** appears under the banner.
2. Press **OK** to memorise the beginning of the scene you want to repeat (point A).
3. Wait a few seconds before pressing **OK** again to mark the end of the scene to be repeated (point B). **A-B Repeat** appears to tell you that the repeat playback of the sequence is starting. To stop repeat, select another mode using the ▲ or ▼ keys, or by pressing **STOP**.

Note: repeat functions remain active until you turn them off, open the disc tray or turn off the power. Repeat play only works with discs that show the elapsed time on the display. This may not work correctly with certain discs (Video CDs in PBC mode).

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Changing camera angles

Camera angles (DVD)

A few DVD discs contain scenes shot from various different angles. If a disc being played back offers different camera angles the icon in the banner will show the number of the angle on the screen. With the disc in playback, press **ANGLE** on the remote control unit and choose the angle using the same key or the ▲ or ▼ keys.

Selecting a play mode

PBC - Playback control menu (VCD)

This function enables you to make interactive selections of some scenes or information through an on-screen menu. Moreover high resolution scenes can be viewed if they are included on the disc. During playback press **INFO** (the information banner appears). Press ◄ or ► to select the PBC icon. Uses the ▲ or ▼ key to see other screens or deactivate the functions on offer

Standard play

Play mode for Audio CDs

Your player has several play modes for Audio CDs:
standard play that respects the order of the tracks; random play that reads music tracks in a random order; repeat play: Repeat A-B, Repeat track, Repeat disc, Repeat de-activated.

IntroScan

IntroScan (CD)

The IntroScan function enables you to listen to the first few seconds of each track of an audio CD.

Note: when the first few seconds of all tracks have been played the player goes into Stop. To stop IntroScan press **STOP** *to continue play and listen to the whole track, or press* **PLAY** .

Edit

Edit Menu (DVD+RW)

This icon allows you to display the edit menu when a DVD+RW disc has been inserted. See the next page for details of the functions available in this menu.

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Edit Menu

The edit menu can be accessed from the information banner, while playing a title on a DVD+RW or +R disc. It allows you to edit the recordings made and more particularly to:

- **Insert chapter bookmarks (DVD+RW)**
  To position marks in order to easily find your favourite passages. Since it is not possible to delete a passage in title, you can use this function to mark the start and end of undesirable sequences (e.g. advertising) in order to mask it from being played using the **Hide Chapter** function (see further on).

- **Delete chapter bookmarks (DVD+RW)**
  To deleter undesirable markers in order to form longer chapters within a title, or to redefine the position of bookmarks to your own requirements.

- **Hide Chapter (DVD+RW)**
  To mask the chapter being played (the passage between two bookmarks) in order not to play an undesirable passage (advertising, violent scenes...). If you do not wish to play the masked chapters, you must select **Play Title** in the title menu. If you wish to play all the chapters, including those you have masked, select **Play Full Title** in the title menu.

- **Create a new title image (DVD+R, DVD+RW)**
  Replaces the title image (on the Play menu) displayed by your DVD recorder with an image of your choice.

- **Divide a title (DVD+RW)**
  To cut a title in two in order to separate and then rename the sequences. To delete the end of a recording that is too long and thus free up space on the disc.

EN

Access to the edit menu

1. While a DVD+RW is playing, press the **INFO** button; the information banner is displayed.
2. Use the ◄, ► buttons to select a suitable icon.
3. Press the **OK** button to display the edit menu.
4. Carry out your searches in a title using the **PLAY, PAUSE, REV, FWD, STOP** keys.
5. Using the ▲, ▼ buttons and **OK** select a function and confirm your choice.

Note: the edit menu cannot be accessed while playing a title or chapter list. To delete the list being played, eject the disc or delete the list (page 45).

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The edit menu functions

Insert a Chapter Bookmark (DVD+RW only)

During recording your DVD recorder automatically inserts electronic bookmarks at regular intervals. These bookmarks are invisible. They partition the recording and form chapters. Each chapter has an average length of 6 minutes (from 5 to 8 minutes depending on the disc type and the recording settings). These bookmarks allow you, when playing a title, to jump forward or backwards by measured amounts by using the **Pr+**, **Pr-** buttons. You can remove predefined bookmarks or add other bookmarks according to any particular locations that you wish to jump to.

Delete Chapter Marker (DVD+RW only)

If you wish to group together two consecutive chapters to form a single one, or change the position of a bookmark for the beginning of a chapter, position the disc during play on this chapter and select **Delete Chapter Marker** and confirm with **OK**.

Note: For DVD+R discs, you cannot manually create or delete chapter markers. Your DVD recorder automatically creates them every 6 minutes.

Hide Chapter

If you wish to hide a chapter because it contains, say, violent scenes or for other reasons, position the disc during play on the chapter and select **Hide Chapter** and confirm with **OK**. The chapter will physically remain on the disc but will not be played if you simply select play (**PLAY** button or **Play Title** function). To play all the chapters, including those that are masked, select from the **Disc Title menu** (page 44), the **Play Full Title** function.

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View Chapter

Display a previously masked chapter. This function is only available if you have previously masked a chapter by having selected **Play Full Title** and having masked a selected chapter. Or if you have selected **Hide Chapter** during the playing of a title, but on condition that the chapter bookmark had not already passed or been created.

New Title Frame

This function allows you to select an image that is representative of your recording (the title). This image is then displayed in the **Player menu** (see page 45). When the image is selected, the device pauses and the image is recorded and placed in "play memory".

Divide the title (DVD+RW and DVD+R)

If you wish to cut a title into two parts, while playing the title, select **Split Title** and confirm your choice with the **OK** button while viewing the images at the end of the first part.

Note: reorganising the titles may take several minutes and depends on the number of titles on the disc. This function is very practical after copying your cassettes to disc since it lets you extract sequences to form independent titles that you can then rename.

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Playing images (JPEG), and sounds (mp3) files

Your player can play JPEG files with a resolution of up to five million pixels. However beyond 400,000 pixels there is no perceptible improvement in the quality of pictures displayed on your TV screen.

MP3 is a compressed audio file format that stocks a large quantity of music (files) on a disc. Files can be grouped in folders (albums) in the same way as files and folders in your computer. A folder can thus contain other folders.

Reading music files (MP3) and / or images (JPEG)

1. Load a disc in the machine and press the **PLAY** key. The Play menu of the disc is displayed.

Note: the play menu depends on the content of the disc being played.

2. Select a function with the ▲ or ▼ keys and confirm with **OK**. Depending on your choice the menu of albums or songs for MP3 files ( ) is displayed. If you selected **Pictures** ( ) the folders or files are displayed in the same way.

3. Select a folder using the ▲ or ▼ keys of the remote control and press **OK**. The list of files contained in the folder are displayed.

Note: when an audio MP3 file is selected for more than 2 seconds, the playing of the first few seconds of the file begins.

4. Select a file using the ▲ or ▼ keys of the remote control then press **PLAY**. Select **Standard Play** with the ▶ key and select a play option using the ▲ or ▼ keys and confirm with **OK**.

Play options:
- *Standard Play*
- *Play All*
- *Resume*
- *Random*
- *Random All*
- *Repeat Folder*

Playback of files begins with the file selected and continues with the following files. Where there are sub-folders in the folder, these are also played. Playback then moves to the next folder located at the same level in the tree diagram as the folder containing the first file you selected.

5. Stop playback using the **STOP** key.

Note: cancel a selection by pressing **CLEAR**. *If playback of an audio file ends before the end of the sequence of pictures, it will resume at the start of the folder containing the chosen audio file until the end of the sequence of pictures. During simultaneous play, only the picture can be changed by using the* **PR** ▶▶| *or* **PR** |◀◀ *keys.*

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Image Functions

Changing images

During the picture sequence change images using the **PR** ⏭ or **PR** ⏮ keys on the remote control unit. According to the type of image (Ko or Mo) the change may take several seconds.

Rotating an image

If an image is displayed sideways, you can rotate it through 90° using the ◀, ▶, ▲ and ▼ keys of the remote control.

Zooming in on an image (zoom) and the Pan and Scan function

To see more detail, press once or several times on the **ZOOM** key to enlarge the image and use the ◀, ▶, ▲ and ▼ keys. Return to normal dimensions is carried out by pressing once on the **OK** key or the **PLAY** key in order to continue the tray show.

To stop the picture sequence and return to player menu

Press **STOP** or press **MENU** several times.

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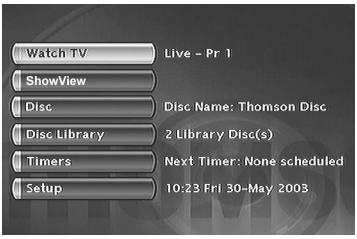
Disc menu

The **Disc** menu is only accessible if a disc is inserted in your DVD recorder. This menu allows access to the list of titles of the **Disc Title Menu** or the images menu of the **Player Menu** for your recorded discs (DVD+R, +RW).
With DVD video discs you directly access the disc menu, the selection of the language, chapter, play order and contents varies depending on the disc.

Note: if no disc has been inserted the line **Disc** *remains greyed out.*

In the Main menu select the **Disc** line with ▲ ▼ keys, and press **OK** to validate .



	DVD Video	DVD+R DVD+RW	Audio CD	MP3	JPEG	VCD
Play Disc	X	X	X	X	X	X
Disc Title Menu	X	X				
Player Menu	X	X				
Playlist	X	X	X	X		
Disc Options	X	X	X	X	X	X

Note: depending on the discs and/or files, all functions may not be available. This table lists the available functions.

Play Disc

- Pour To start playing a disc from the beginning, press the **OK** key.

Note: this function allows the playing of the last title on a DVD+R/DVD+RW disc.
If your DVD recorder is locked (small padlock displayed), a message appears asking you to enter your secret code (page 49).

Disc Title menu (DVD+R, DVD+RW)

This menu allows you to access recordings that you have made on your DVD+R or DVD+RW discs, or those carried out by other DVD recorders if they are compatible with your device (see page 29).

1. From the Main Menu (**MENU** key or in stop mode) select the **Disc** function with the ▼ or ▲ key then confirm with **OK**. The disc menu is displayed.
2. Select **Disc Title Menu** and confirm with **OK**. The titles menu is displayed. The name of the disc is selected. From now on, you can access the functions of the disc itself (§ **2.a** onwards) or the functions of a title (§ **2.b** on page 44).

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To access disc functions:

2.a When the name of the disc is selected, press the **OK** button to display the disc menu. This menu permits you to:

- **Rename Disc**, allows you to change the name chosen by the DVD recorder (Thomson xx) for a name of your choice selected using a table of alphabetic characters (page 44).
- **Erase Disc**, deletes all the titles on the disc.
- **Lock Disc** (or **Unlock Disc**) protects the disc against accidental recording. This choice is not definitive, you can choose to unlock the disc later by again selecting **Unlock Disc** and confirming it with **OK**.
- **Finalize Disc / Make compatible** (depending on the DVD+R or +RW disc inserted in your DVD recorder).

Note: the fourth line of this menu depends upon the DVD+R or +RW disc inserted in the DVD recorder.

With a DVD+R disc:
Select **Finalize Disc** using the ▼ or ▲ button and confirm with **OK**. Your DVD recorder, closes the disc session and prepares a home screen made up from images representing each recorded title. FINALIZING remains displayed during this operation and disappears once the disc is ready.

With DVD+RW discs:
Select **Make compatible** using the ▼ or ▲ button and confirm with **OK**. Your DVD recorder, closes the disc session and prepares a home screen made up from images representing each recorded title.

Note: you need to make a DVD+RW disc compatible if you have added or deleted chapter bookmarks in order that the disc can be played on other DVD players.

Note: the space occupied by titles on the disc are represented by coloured bands at the bottom of the Title menu. You can thus get an idea of the space occupied by the various video recordings (titles) and the remaining time available on the disc.

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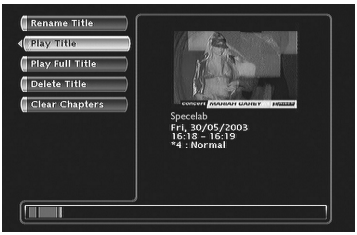
Disc menu ➔ Disc Title menu (continued)

To access the title functions:

2.b Select from the list using the ⮟ or ⮝ keys and press **OK**. The menu displayed concerns the selected title only. You may:

- **Rename Title**, allows you to change the title that your DVD recorder has allocated your recording (e.g. Pr7 14:39 14-May 2004) by accessing the character chart (page 44).
- **Play Full Title**, allows you to play all the chapters of the selected title, even those you have masked using the **Edit Disc** function; **Hide Chapter** (page 37).
- **Delete Title**, allows you to delete the corresponding recording.
- **Clear Chapters**, allows you to delete all the bookmarks (electronic markers) related to the recording. This function deletes the bookmarks automatically positioned by your DVD recorder and those thay you may have added.



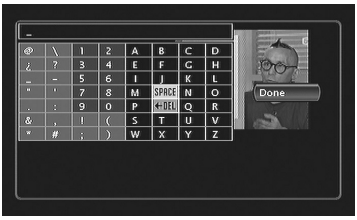
	DVD+R	*DVD+RW*
Rename Title	x	x
Play Title	x	x
Play Full Title		x
Delete Title	x	x
Clear Chapters		x

Note: to place new bookmarks, see page 37. The available functions differ depending on the type of disc.

Rename a disc or a title (DVD+R, DVD+RW)

Using a character chart your DVD recorder allows you to change the names of discs or titles allocated when the recording was made.

Select **Rename Title** in the **Rename Title** or **Rename Disc** in the **Disc** menu using the ⮝ or ⮟ keys and press the **OK** key. In the following screen select **YES** and confirm with **OK**. The character chart is displayed. Use the ⮜, ⮞, ⮝, ⮟ buttons and the **OK** key to move around the chart and compose the name of the disc or title that you require.



Note: the **CLEAR** *key on the remote control allows the displayed name to be entirely deleted.*

1. Delete the default name of the title by selecting **DEL** and by pressing the **OK** key as many times as is necessary.
2. Compose the name by selecting letters one by one. Confirm with **OK**.
   • Delete a letter by selecting **DEL**. Press the **OK** key.
   • Add a space by selecting **SPACE**. Press the **OK** key.
3. When the name is complete, select **Done**. Press the **OK** key.
4. Exit the menu using the **RETURN**, **CLEAR** key or resume playing with **PLAY**.

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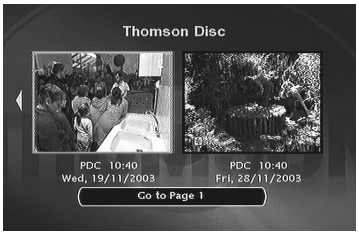
Player Menu

Display the picture titles disc menu loaded into your DVD recorder.

- Select **Player Menu** using the ▲ ▼ keys, and press **OK**. Use the same buttons to scroll and choose a picture (title.



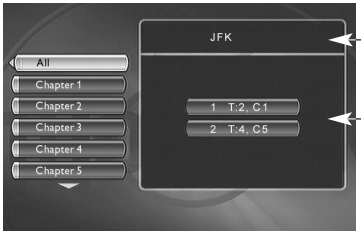
*Note: **Picture menu contents** - your DVD recorder creates and stores to the disc a 'picture menu contents' each time you will eject a DVD+R or DVD+RW disc. This menu will help you to recover the recorded titles showing two by two a small representative picture. To see the other titles use the ◄, ► buttons to select the title you want to watch then press **OK**.*

EN

Playlist

Allows you to customize the playing order of a disc by changing the play order of titles and/or chapters on DVD, DVD+R and +RW discs, or the play order of music tracks on Audio CDs. With DVD+RW and +R discs, the play list allows you to play several titles independently or several chapters of various titles, as though they form a whole.

1. Select **Playlist** with the ▼ or ▲ key and confirm with **OK**. On the left of the screen displayed are all the titles recorded on the disc and on the right an empty space where your play list will be displayed.



Name of the DVD+R or DVD+RW disc

Titles and chapters

Note: if you have already created a play list, its various chapters will be displayed in this space.

2. Select a title using the ▼ or ▲ key and confirm with **OK**. On the left of the screen displayed are all the chapters of the selected title. **All** is selected, press **OK** to place them all in the play list (with all the chapters) or select one by one the chapters that you wish to add to the play list by using the ▼, ▲ keys and **OK**.

*Note: to remove a chapter from the list, select it with the ► key and press **OK**. To delete the list, press the **STOP** button and confirm your request in the following screen using the ◄ key and **OK**.*

3. To view the chapters or titles of the play list, press **PLAY**.

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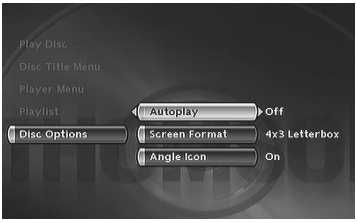
Disc options

This menu provides 3 functions to optimise the discs that you wish to play.

Autoplay

- Select **Autoplay On**, if you want the disc to be played automatically once the DVD recorder tray is closed.



Screen Format - (DVD / VCD)

Depending on the format of the DVD disc being played, select the image format that corresponds best to the format of your television screen - cinema screen 16 x 9, classic screen 4 x 3 (Letter Box or Standard).

Note: on certain DVDs, the picture format cannot be changed.

- With a letterbox format TV (16x9) select **16 x 9 widescreen**. Films in 16x9 will be fully displayed. Films in 4x3 will have vertical black bands on each side of the picture.
- With a 4x3 television, select **4 x 3 Letterbox** to take advantage of the pictures recorded in that format or 16x9. Select 4 x 3 Standard to take advantage of a **4x3 Letterbox** without distortion. For films in 16x9, the edges of the picture may extend beyond the edges of the screen.

Angle icon (DVD)

If the disc provides for it, allows the display of the angle icon showing the possibility of viewing the images from different angles.

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Language Menu

Your DVD recorder gives you a selection of languages to choose from. You can change the language of the DVD recorder menus, the language of the disc menus, the language of the dialogues and that of the subtitles. In the menu, choose your preferred language for dialogues and subtitles. If it is available on the DVD you will be playing, it will be selected automatically. The default language is the one which is selected in the main menu. During playback, you can display or remove the subtitles and change the language of the subtitles using the banners.

EN

1. From the main menu select the **Setup** line with the ▲ ▼ keys, then confirm with **OK**.
2. Select **Languages** with the ▲ ▼ keys, then confirm with **OK**.
3. Using the ▲ ▼ keys select one of the proposed options and confirm with **OK**.

Display (Language of DVD recorder menus)

The language of the DVD recorder menus was determined upon installation (page 5). You can nevertheless change it by following the procedure given on this page.
When **Display** is selected press **OK** to display the choice of language menu.
Select a language with the ▲ ▼ keys and confirm with **OK**. Exit the menu using the **RETURN** key.

Audio (DVD disc dialogue languages)

Certain discs offer several different languages for the dialogues. The default language is the one you selected during installation (page 5) if this language is offered on the disc being played. To change the language of the dialogues your DVD recorder provides two possibilities:

From the menu of the DVD recorder

With the ▲ ▼ keys, select **Audio** and confirm with **OK** to access the proposed list of languages. Select the preferred language with the ▲ ▼ keys and confirm with **OK**.

Note: if the language chosen is also available on the DVD, it will be selected as the dialogue language. If it is not available, the preferred disc language will be selected.

From the banner

During playback, display the information banner using **INFO** key and select the **Audio** icon with the ◄ ► keys. Select one of the languages proposed by the disc (and the best Audio configuration corresponding to your installation) with the ▲ ▼ keys.

Note: with DVDs which have a DVD menu, we recommend that you use the disc menus rather than the DVD recorder menu. You can also change the language of the dialogues and subtitles (if they are available on the disc). During playback, display the disc menu using the **MENU** *key. Then use the ▲, ▼, ►, ◄ keys.*

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Subtitles (Language of DVD subtitles)

Certain discs propose several languages for subtitles. The default language is the the one you selected during installation (page 5) if this language is also offered on the disc being played. To change the subtitles language, your DVD recorder provides two possibilities:

From the menu of the DVD recorder

With the ▲ ▼ keys, select **Subtitles** and confirm with **OK** to access the proposed list of languages. Select the preferred language with the ▲ ▼ keys and confirm with **OK**.

Note: if there is no English on the disc for menus, dialogues, and / or subtitles, the player selects the default language of the disc.

Original *corresponds to the original soundtrack language of the film on the disc.*
*If you select the "***Automatic***" option, the default language of the subtitles will be the one you selected for the dialogues (see above). Because of this, if the default language for the dialogues is not available, but subtitles are available in this language, the subtitles will automatically display.*

From the banner

During playback, display the information banner using **INFO** key and select the subtitles icon with the ◄ ► keys. Select one of the languages proposed on the disc with the ▲ ▼ keys or de-activate the display of subtitles.

Note: with DVDs which have a DVD menu, we recommend that you use the disc menus rather than the DVD recorder menu.

*If you chose "***English***" during the initial setting (carried out on page 5): the main menu will appear in English, the menus of the disc, in English (if available), the language of the dialogues, in English (if available).*

Disc (DVD disc menu language)

The preferred language for disc menus is set during installation (page 5). If the DVD disc that you are watching does not provide this language, you can select another language from the disc menus.

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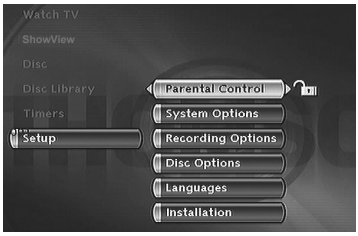
Parental control menu

Your DVD recorder has a child lock function which enables you to restrict access to certain DVDs. The discs whose content may be deemed unsuitable for your children will therefore not be visible unless a code that you have previously chosen is entered.

1. From the main menu select the **Setup** line with the ▲ ▼ keys, then confirm with **OK**.
2. With the **Parental Control** line highlighted, press **OK** on the remote control (**Parental Control** menu is displayed).
3. Using the ▲ ▼ keys select one of the proposed options and confirm with **OK**.



Note: the padlock tells you whether or not the DVD recorder is locked. When the **Lock** *function is activated, a padlock is displayed on the DVD recorder display.*

Locked: you must enter the secret code to play the discs whose rating limits exceed the limit you have allocated.

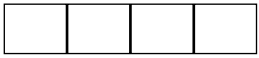
Unlocked: you don't need the secret code the play the discs, even if you have set a rating limit.

Note: Your DVD recorder is delivered in the **unlocked***, position without any rating limit. If you want to use the child lock function, you have to set a rating limit and position the* **Lock***, function on* **On***.*

Locking

4. The **Lock** line is already selected. Press **OK** to validate.
   If no secret code has been chosen, your DVD recorder asks you to choose one.
5. Enter four digits using the remote control **number** keys, then press **OK** to validate.

Note: choose a four-digit number that you will be able to remember easily or note it down.



6. The first time a confirmation of the code is asked for. Enter the code again, then confirm with **OK**.

Changing the code

To change the code, you must de-activate the **Lock** function to be able to return afterwards.

1. From the **Parental Control** menu enter the 4 figure code, then confirm with **OK**.
2. The **Lock** line is selected. Press **OK**.
3. With the ▲ ▼ keys select **Off** and confirm with **OK**.
4. Exit the menu by pressing 3 times on the **RETURN** key.
5. See steps **1**, **2** and **4**, **5**, **6** to allocate a new password.
6. See the **Locking** paragraph to enter a new code.

Note: if you forget your secret code, see the Trouble Shooting Guide at the end of this manual (page 56).

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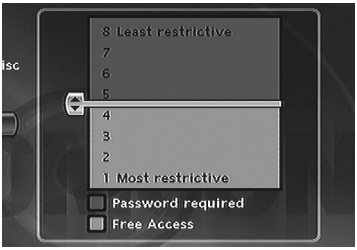
Ratings limits

This function makes it possible to restrict viewing of certain DVD discs by programming a restriction on your DVD recorder. This function can only be used with DVD discs provided with the function. Your DVD recorder provides ratings limits on a scale of 1 to 8. The **ratings limit** function does not work if the disc being played does not have a rating limit. In Europe ratings limits are as yet uncommon on DVD discs on sale.

1. From the main menu select the **Setup** line with the ▲ ▼ keys, then confirm with **OK**.
2. With the **Parental Control** line highlighted, press **OK** on the remote control (**Parental Control** menu is displayed).
3. Press the ▼ key to highlight **Ratings Limits** and press **OK**.
4. Use the ▲ or ▼ keys to set the bar at the level desired.



Note: the DVD recorder is supplied without any ratings limit setting. If you want to prohibit playback of certain discs you will have to set a ratings limit.

5. Press **OK**.
6. To return to the DVD recorder menu, press ◀ until the menu is displayed on the screen.

Non categorized titles

Certain commercially available DVD video discs have restrictions. Unfortunately few discs in Europe have one. You can however restrict viewing of such discs by means of the **Unrated Titles** function by ticking the **Password Required**, option and then locking the DVD recorder as described on page 49. When this is done the password will be requested before playing any DVD disc, including those that would not normally need a restriction.

Note: you can likewise restrict the viewing of your own recorded discs by ticking the **Apply to DVD+R, +RW** *box. In this case a code will be required to view all your recorded disks.*

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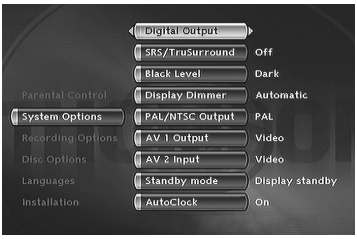
System Options Menu

The **System Options** menu in the **Setup** menu offers you settings to configure certain useful functions and optimise the performances of your DVD recorder to match those of the devices connected to it.

1. From the main menu select the **Setup** line with the ▲ ▼ keys, then confirm with **OK**.
2. Select **Options system** with the ▲ ▼ keys, then confirm with **OK**.
3. Select a function with the ▲ ▼ keys, confirm with **OK**, adjust and confirm with the ▲ keys and **OK**.

EN



Note: the explanation of the various functions of this menu are detailed below. The associated illustrations show the corresponding adjustments or functions.

Audio output connector

Digital output (audio)

Depending on the amplifier or television (with or without integrated decoder) connected to your DVD recorder, you will need to set the **DIGITAL AUDIO OUT** sockets (coaxial or optical) so that they deliver the Dolby Digital, DTS or MPEG digital signals supported by the other device. Tick **Dolby Digital** or **DTS** if the amplifier or TV set has a Dolby Digital or DTS decoder (or both, depending on devices). **MPEG** must be ticked to play a DVD disc on which the sound was recorded using MPEG standard.

Your television set

SRS - TruSurround

This function provides you with virtual reproduction of the multichannel sound of a Dolby or DTS film onto the two channels of your TV or stereo amplifier. The sound effects of a 5.1 system are then simulated.

Note: SRS TruSurround is a trademark of SRS Labs, Inc. TruSurround® technology is incorporated under license agreement from SRS Labs, Inc.

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Black level

Adjust the contrast (**Light** / **Dark**) according to the brightness of the room in which you are viewing your DVD recorder images.

The display of your DVD recorder

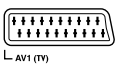
Display Dimmer

Depending on the brightness of the room where you've installed your DVD recorder, select one of the 3 available settings (**Automatic** / **Bright** / **Dim**) to adapt the brightness of the display panel to suit its environment.

PAL/NTSC output

If the images of the DVD being played appear in black and white on your TV screen, the standard of the video signals transmitted to your TV is incorrect. Change the video signal from **PAL** to **NTSC** or vice versa.

Note: PAL is the name of the colour coding system used in most European countries. NTSC is the name of the colour coding system used in the United States and some other countries.

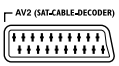


Scart connector

AV1 output

Choose the **RGB**, **S-Video** or **Video** signal, depending on the device connected to the AV1 Scart socket (usually TV sets). If you don't know which type of signal is accepted by your TV set, try each setting to get the best result.

Note: transmission of DVD recorder images to TV images (with certain TV sets)
If you want to watch one channel while recording programmes on another channel, you must change the AV1 output connection setting by selecting **Video** *instead of* **RGB** *in the* **System Options** *menu.*



Scart connector

AV2 Input

Choose the **S-Video** or **Video** signal, depending on the device connected to the AV2 Scart socket (usually a satellite receiver). If you do not know the type of signal supplied by the connected device, try each of the settings to obtain the best result.

Note: format of image signals:
RGB: *English signal colour code (Red – Green – Blue).*
S-Video: *S-VHS (Y/C), signals with separate colour components and brightness.*
Video: *CVBS, composite video signals.*

Standby mode

Your DVD recorder has an Eco Standby to reduce its power consumption when on stand-by. Select **On** to enable this function.

Note: the **Eco** *function does not allow the display of programming warning messages on the display panel. Only the record icon will flash.*

AutoClock

Allows your DVD recorder to always be set at the correct time, date and day.

Note: leave this function activated to avoid any problems when programming recordings.

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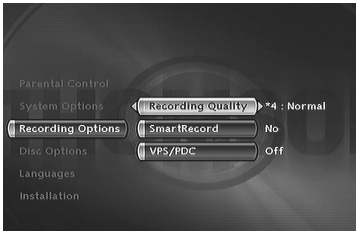
Recording Options Menu

Your DVD recorder has several practical functions to optimise the recording quality / recording time ratio that is possible when using a DVD+R or DVD+RW disc. This menu also allows the **VPS/PDC** function to be activated for all your programmed recordings.

1. From the main menu select **Setup** using the ▲ ▼ keys, then confirm with **OK**.
2. Select **Recording Options** with the ▲ ▼ keys, then confirm with **OK**.
3. Select an option with the ▲ ▼ keys, confirm with **OK**, adjust and confirm with the ▲ ▼ keys and **OK**.

EN



Recording quality

Your DVD recorder can record several hours of TV programmes or video sequences from a connected device. This capacity depends on the discs and the quality adjustment selected in the **Recording Options** menu.

Note: all times are approximative. Access to the adjustment menu is impossible if recording is underway.

Depending on the adjustment selected, the recording time of a DVD+R or DVD+RW disc is as follows:

***1 : Best** - *1 hour.*
***2 : High** - *2 hours.*
***3 : Good** - *3 hours.*
***4 : Normal** - *4 hours.*
***5 : Basic** - *6 hours.*
***6 : Low** - *8 hours.*

SmartRecord™

By activating the **SmartRecord™** function of your DVD recorder it will adapt the quality of your programmed recordings to one of the 6 settings so that you can record the entire desired programme on a disc that has already been partially recorded.

VPS/PDC

Triggers all your programming at the actual broadcast times (if the channel broadcasts VPS/PDC signals).

Note: the VPS (Video Programming System) and PDC (Program Delivery Control) signals are transmitted at the same time as certain programmes, by certain channels and in certain European countries. Leave this function active to benefit from its benefits for all your programming. If the channel does not broadcast VPS or PDC signasl, your DVD recorder will record at the start and stop times selected during the programming of the recording (page 23).

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Troubleshooting guide

If you encounter difficulties

Advisors are at your disposal to help you solve your problems at this telephone number.

THOMSON HELPLINE

You can contact THOMSON by dialling: 0871 712 1312
(For Great-Britain, all calls will be charged 0,10£ / mn)
www.thomson-europe.com

Your DVD recorder doesn't switch on

- Did you move the DVD recorder? Check the power plug: is it well plugged into the mains socket? Also check the power cable jack at the rear of the DVD recorder; is it well pushed in.
- Is the mains socket to which you DVD recorder is connected receiving current? Try to plug in a lamp or other electrical device: do they work? Check the corresponding fuse in your house's fuse box.

The remote control doesn't work

- To control your DVD recorder, you must first press the DVD key of the remote control.
- Point the remote control at the front of your DVD recorder, not at your TV set.
- The operating range of the remote control is 6 to 8 metres. It gradually decreases as the batteries wear down. This is a good indicator of the state of the batteries. When the batteries require replacing, the signal lamp on the remote control flashes when you use it.
- Make sure no objects (or animals) are in the path of the infrared beam between the remote control and your DVD recorder. They may block the beam and thereby cause a malfunction of your DVD recorder.

The remote control of your DVD recorder also controls another device

- Some DVD players made by the Thomson group (Thomson, Brandt, Ferguson, Saba, Telefunken) react to the same codes. To avoid this inconvenience, you can program your DVD recorder and its remote control so they have a different code to those of the other devices. Refer to page 58.

The remote control and the DVD recorder don't work anymore: everything seems blocked

- Unplug your DVD recorder from the mains for a few moments and plug it back in.

You don't see any picture

- Turn on your TV set and your DVD recorder.
- On your TV set, select the socket which receives the signals from your DVD recorder (AV1, TV1, AUX1, etc., depending on the make, if connected as shown on page 3).
- Make sure that all sockets are well pushed into the various sockets.

The colours aren't natural

- Check that the scart cables are well pushed into the sockets of the various devices.
- Check the settings Output AV1, Input AV2 and Output PAL/NTSC (System Options menu, page 52).

The image format doesn't match the screen format of your TV set

- The image format is adjustable. Refer to page 46. With certain discs, the format is pre-set and cannot be changed.

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No sound

- Check that the DTS, Dolby Digital and MPEG settings are suited to the specifications of the device connected to the digital audio sockets (coaxial or optical) (page 51).

The sound is very low or inaudible

- The sound of the TV set has been cut or set at a very low level. Press the (🔇) key on your TV set's remote control and/or adjust the volume on your TV set (or amplifier, if such is the case).

EN

The menus or subtitles do not appear in the language you want

- With a DVD: the DVD menus are not displayed in your language. Check the disc jacket to see which languages are available. Choose the language of your choice, if available (page 47).
- With a DVD: there are no subtitles. Check the disc jacket to see whether subtitles are available. Choose the subtitles of your choice, if available (page 48).
- The preferred language for DVD dialogues and subtitles was set upon initial installation of your DVD recorder. To change it, refer to pages 47 and 48.
- You can also change the language while a disc is playing by pressing the **INFO** key and selecting the icon for dialogues or for subtitles. This choice is only valid for the disc if it has not been removed from the disc drawer.

The menus of your DVD recorder do not appear in the language you want

- Check that your language is available in the settings menu (page 47). If not, choose another language.

You can't access the selected menu, even when you press OK

- If the name of the menu appears on a transparent background, it means that the corresponding menu or function is not available. The **Disc**, **Titles**, and **Play list** menus are contextual menus: they depend on operations performed beforehand such as:
- **Disc** is only accessible if there is a disc in the disc tray of your DVD recorder.
- **Titles** is only accessible once you have recorded a TV program or video sequence (from an external device).

Your DVD recorder menu disappears

- As with computers, your DVD recorder has a screen saver which replaces the fixed menu by a mobile THOMSON logo. Press on a navigation key to bring back the fixed menu.

The DVD doesn't play, even when you press the PLAY button

- The disc rating is higher than the limit that you have set (page 50).

Fast forward or rewind doesn't work

- Some discs have scenes which do not allow fast forwarding, rewinding or chapter skips. When a command is prohibited or is not available for the current section or operating mode, a prohibition sign (⊘) appears on-screen for a few moments.

You can't change the camera angle

- Most DVDs do not have multiple viewing angles. When this option is available, it usually only applies to a few scenes.

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Other problems

Reconfiguring your player's initial set-up

- Open the disc tray and make sure there is no disc in it. Close the disc tray. Hold down the **STOP** key of your DVD recorder, then press the **ON/STANDBY** key by holding it down for 3 seconds, until *INIT* is displayed on the screen of your DVD recorder. When *MENU* reappears on your display, turn off and then turn on your DVD recorder using the **ON/STANDBY** button on the front. The menu displayed on-screen is the menu which enables you to choose your DVD recorder's display language. It confirms that all settings made since initial installation have been deleted. The DVD recorder has been reconfigured as it was when purchased (factory settings). Refer to page 4 of this manual to restart the installation of your DVD recorder.

If you forget your password

- Open the player's disc tray and ensure that there is no disc on it. Close the tray. The player menu is now displayed on the TV screen. Now press the **STOP** key on your player and hold the **STOP** key on the remote control unit down for 3 seconds. The password that you chose for parental control is cancelled. To reallocate a code see page 49.

You can't switch channels

- Penda During the recording of a TV program (or video sequence from a connected device), switching channels is impossible. To change channels, you have to stop the recording completely (page 21).

In quiet moments, you hear a slight hum coming from your DVD recorder

- Your DVD recorder is equipped with a fan. It releases heat in order to ensure proper cooling. It switches on as soon as your DVD recorder is turned on and produces a slight hum.

The display or reading of digital images in JPEG format is slow

- Image display can take a fairly long time, depending on the size of the images. If the images are too "bulky", your DVD recorder may not be able to display them correctly.

You cannot record on the disc

- If a message is displayed on the screen, press the **CLEAR** key of the remote control to remove it.
- Check that you are using a DVD+R or DVD+RW disc.
- Perhaps the DVD+R disc is temporarily locked or definitively locked. If it is definitively locked you can no longer record on it. If it is temporarily locked you can unlock it, see page 43.
- You cannot record on the same disc both video images and JPEG photos or mp3 music. Use different DVD+R/+RW discs for each type of recording.
- Dirt and finger prints may affect the recording and playback. Please see page 57 of your User Manual for information about proper handling of discs and proper disc cleaning.

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Caution

Protect the DVD recorder from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers...). Disconnect the power cable from the mains electricity supply if the DVD recorder malfunctions.

Disclaimer of warranty!

To the extent allowed by applicable law, representations and warranties of non-infringement of copyrights or other intellectual property rights resulting from the use of this product under conditions other than as specified above, are hereby excluded.

EN

Condensation

If your DVD recorder or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

Discs

Always handle your discs with care. Hold a disc with fingers on the border or hole. Always place disc with the label facing upward (in case of a single-sided disc). Always place the disc properly into the tray using the proper guide area. Always use a soft cloth to clean discs if necessary, wipe from the centre to the border. Always put discs back into their cases after playing and store in a vertical position. Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

Note: Dolby Digital is a sound compression technique developed by Dolby for multi-channel digital audio signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.

«Dolby Digital» and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.

DTS - is a digital sound compression technique developed by Digital Theater Sound Systems for digital audio multichannel signals.

"DTS" and "DTS Digital Out" are registered trademarks of Digital Theater Systems inc

PCM - If the device connected to the DIGITAL AUDIO OUT sockets does not support Dolby, DTS or MPEG signals, your DVD recorder will deliver PCM (Pulse Code Modulation) signals. In this case Dolby Digital, DTS or MPEG must not be selected.

The linear PCM is a signal recording format used for CDs. CDs are recorded in 44.1kHz /16bits. DVDs are recorded in 48kHz / 16 bits, or even up to 96kHz / 24 bits.

For your safety

Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam. Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

DVD copy protection

In accordance with the DVD standard, your DVD recorder is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

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Remote control - Code A-B

With certain devices (combined TV/DVD or other DVD player) it may happen that your DVD recorder controls the DVD player of the other device. In this case you can adjust your remote control and the DVD recorder on another code known as code B.

Remote control setting on code B

	No. to key in	*On display panel*
Code A	3000	DVD A
Code B	3001	DVD B

Note: the remote control of your DVD recorder is set to code A (3000). To set it to code B (3001) follow the procedure described below.

1. Press and hold the **DVD** key.
2. With the number keys, press **3**, **0**, **0**, **1**.
3. Release the **DVD** key.

DVD recorder setting on code B

1. Switch on your DVD recorder.
2. Check that there is no disc in the disc tray.
3. Simultaneously press the **PLAY/PAUSE**, **AV** keys at the front of your DVD recorder and release them when your DVD recorder displays DVD B.
4. Try to control your DVD recorder with the remote control.

Note: in the event of a problem, redo the setting of both components: the remote control and your DVD recorder.

Technical data

Power requirements 220 to 240 V - 50/60 Hz

Power consumption:

- Operating = 36 W
- Standby = 5 W
- Standby, ECO mode = 4 W

Functioning conditions +5°C to + 35°C surrounding humidity: 80 % maximum

Playback system Laser diodes - Wave length: 655 / 780 nm, Laser power CLASSE 2

Reception norms LL' - BG - I - DKK'

Number of storable channels 99

Remote control Infrared 33 Khz - Batteries 2 x 1.5 V (AAA)

Nominal Specification - THOMSON reserves the right to change the specifications without notice. The characteristics and aspect of the product may be changed without prior notification. The colour and aspect of the product may differ from that represented in this manual.

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Codes

User manual (page 18)

EN

TV

Admiral....1016, 1092, 1120, 1128
Aiko....1088, 1089, 1116, 1149, 1150
Akai....1029, 1088, 1089, 1097, 1103, 1108, 1116, 1120, 1136, 1144, 1150, 1157
Akura....1030, 1039, 1088, 1089, 1097, 1100, 1141
Alba....1003, 1030, 1032, 1058, 1088, 1089, 1097, 1111, 1149
Amplivision....1062, 1131, 1150, 1152
Amstrad....1003, 1023, 1054, 1058, 1064, 1088, 1089, 1097, 1120, 1141, 1144
Anglo....1088
Anitech....1003, 1012, 1015, 1088, 1089, 1120
Ansonic....1088, 1089
Apollo....1155
Arcam....1131, 1149, 1150
Aristona....1089, 1157
ASA....1016, 1018, 1047
Asberg....1015, 1089
Astra....1120
Atlantic....1028, 1089, 1149, 1152
Atori....1088
Audiosonic....1089, 1097, 1101, 1116, 1120, 1150
AudioTon....1120, 1150
Autovox....1015, 1016, 1028, 1033, 1047, 1145, 1150, 1153
Awa....1120
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Bang & Olufsen....1016
Barco....1147
Baur....1004, 1075, 1077, 1081, 1083, 1089, 1096, 1135, 1145, 1153
Beko....1057, 1073, 1089
Beon....1089
Best....1101
Binatone....1131, 1150
Blaupunkt....1025, 1027, 1037, 1048, 1081, 1083, 1096, 1117
Boots....1131, 1150
BPL....1040, 1089, 1100
Brandt....1051, 1129, 1130
Brionvega....1016, 1089
Bruns....1016
BSR....1046
BTC....1030, 1097
Bush....1003, 1030, 1032, 1040, 1046, 1055, 1058, 1060, 1079, 1088, 1089, 1097, 1100, 1111, 1135, 1140, 1147, 1150, 1153
Cascade....1003, 1088, 1089
Cathay....1089
Centurion....1089
Century....1016
CGE....1015, 1120, 1147
Cimline....1003, 1032, 1088, 1097
Clatronic....1015, 1057, 1088, 1089, 1097, 1116, 1150, 1152
Condor....1057, 1088, 1089, 1100, 1120, 1149, 1152
Contec....1003, 1088, 1120, 1149
Continental Edison....1051, 1124, 1129, 1130
Cosmel....1088, 1101, 1120
Crosley....1015, 1016, 1134
Crown....1003, 1015, 1057, 1059, 1065, 1088, 1089, 1116, 1120
CS Electronics....1097, 1116, 1149
Daewoo....1003, 1060, 1088, 1089, 1097, 1116, 1120, 1149, 1150, 1156
Dainichi....1030, 1097, 1149
Dansai....1089, 1149
Daytron....1003, 1088
Decca....1014, 1035, 1036, 1089, 1126, 1144, 1150
Desmet....1089, 1152
Diamond....1120
Dixi....1003, 1088, 1089
Dual....1079, 1089, 1120, 1145, 1150, 1153
Dumont....1013, 1016, 1018, 1047, 1134, 1150
Dynatron....1089
Elbe....1038, 1089, 1097, 1107, 1151
Elektra....1100
Elin....1018, 1088, 1089, 1120, 1146, 1149, 1153
Elite....1030, 1089, 1097
Elta....1003, 1088, 1120
Emerson....1016, 1089
Erres....1005, 1089
Europhon....1089, 1133, 1144, 1150
Expert....1028
Fenner....1088, 1120
Ferguson....1024, 1041, 1151
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Finlux....1013, 1014, 1016, 1018, 1019, 1047, 1089, 1095, 1134, 1144, 1150
Firstline....1003, 1032, 1046, 1049, 1080, 1088, 1089, 1111, 1131, 1149, 1150, 1151, 1153
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Formenti....1016, 1134, 1147, 1149, 1152
Frontech....1039, 1088, 1120, 1128, 1140, 1142, 1153
Fujitsu....1014, 1028, 1116, 1150
Funai....1039, 1046, 1095, 1120
Galaxi....1089
Galaxis....1089
GBC....1088, 1097, 1116, 1120, 1147
GEC....1008, 1014, 1089, 1131, 1144, 1148, 1150, 1153
Geloso....1003, 1088, 1116, 1120, 1134
Genexxa....1030, 1089, 1097, 1128
GoldHand....1120
Goldline....1089
GoldStar....1044, 1088, 1089, 1120, 1131, 1140, 1149, 1150
Goodmans....1014, 1032, 1058, 1060, 1088, 1089, 1095, 1103, 1120, 1131, 1150, 1156, 1157
Gorenje....1057
GPM....1030, 1097, 1116, 1120
Graetz....1128, 1134, 1148
Granada....1010, 1014, 1029, 1053, 1089, 1093, 1131, 1136, 1139, 1140, 1144, 1150, 1154, 1155
Grandin....1040, 1100, 1114
Grundig....1013, 1025, 1027, 1033, 1081, 1083, 1089, 1096, 1114, 1115, 1116, 1117, 1124, 1143, 1157
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